Secondary School Course Classification





U.S. Department of Education NCFS 2007-341

Secondary School Course Classification System:School Codes for the Exchange of Data (SCED)

June 2007

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June 2007

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Suggested Citation

Bradby, D., Pedroso, R., and Rogers, A. (2007). *Secondary School Course Classification System: School Codes for the Exchange of Data (SCED)* (NCES 2007-341). U.S. Department of Education. Washington, DC: National Center for Education Statistics.

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Framework of SCED

Elements of the Coding Structure

The SCED framework consists of four basic elements. Together, they create an identification code for secondary courses. The four component elements are:

1. Course Description consists of two parts, a Subject Area and a Course Title within that Subject Area. For example, the course General Math is coded 02002 - Subject Area mathematics (02) and Course Identifier (002)

Subject Area. There are 22 general content categories, each represented by a two-digit code. The Subject Areas are listed in a table

Course Title. Courses within a Subject Area are distinguished by a three-digit code. Course descriptions provided in this handbook are fairly general and do not include course objectives.

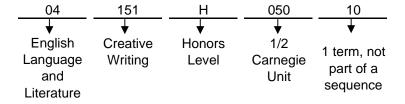
- **2. Course Level** conveys the course's level of rigor. More details on Course Level are found on page 5.
- **3. Carnegie Unit** for <u>high school courses</u> is the measure of "seat time" of courses (see page 5 for more information). Carnegie units for high school courses are used for state accreditation purposes

Carnegie unit for <u>28E dual credit</u> courses are NOT based on "seat time" but on the local credit(s) given by districts (see Handout: Coding College Credit Courses xx for more information)

Carnegie unit for <u>PSEO courses</u>, because they are college courses, is '000' (see Handout: Coding College-Credit Courses for more information)

4. Sequence is used to describe the order in which courses fitting one description are taken or to distinguish individual courses assigned the same course code. More details on Sequencing are found on page 9.

Example: The SCED code for a Creative Writing course would be as follows:



SCED Course Level

Course Level conveys the course's rigor. There are 7 options for coding this element:

G for general or regular. A course providing instruction in a given subject area that focuses primarily on general concepts appropriate for the grade level. General courses typically meet the state's or district' expectations of scope and difficulty for mastery of the content.

B for basic or remedial. A course focusing primarily on skills development, including literacy in language, mathematics, and the physical and social sciences. These courses are

E for enriched or advanced. A course that augments the content and/or rigor of a general course, but does not carry an honors designation.

H for honors. An advanced level course designed for students who have earned honors status according to educational requirements. These courses typically include additional content not found in general courses, and are formally designated as honors courses.

S for special education. A course that adapts the curriculum materials, or instruction for students identified as needing special education. This may include instruction for students with any of the following: autism, deaf-blindness, hearing impairment, mental retardation, multiple disabilities, orthopedic impairment, serious emotional disturbance, specific learning disability, speech or language impairment, traumatic brain injury, visual impairment, and other health impairments.

L for limited English/bilingual. A course designed for students with a language background other than English, and whose proficiency in English is such that the probability of the individual's success in an English-only environment is below that of a successful peer with an English language background.

C for 28E dual-credit courses and PSEO course for which student receives college credit.

Table 1. Crosswalk from NCES Course Level to SCED Course Level

NCES		SCED	
Code	NCES Course Level	Code	SCED Course Level
0	Not collected		
1	Remedial	В	Basic/Remedial
2	Special Education	S	Special Education
3	Basic	В	Basic/Remedial
4	General	G	General/Regular
5	Honors	Н	Honors
6	Gifted and Talented	E	Enriched/Advanced
7	Untracked		
8	Limited English-bilingual	L	Limited English
9	Accepted as hs equivalent		
		С	College

SCED Course Carnegie Units

A Carnegie unit for high school courses is a measure of "seat time" rather than a measure of local credit. Carnegie units are one-digit numbers carried out to two decimal places.

Year Long Courses that meet for a 40 - 55 min period every day for the entire school year = 7200 minutes of instruction = 1.00 Carnegie unit

Semester Courses that meet for a 40 - 55 min period every day for a semester
(~ 200 minutes per week)
= approx 3600 minutes of instruction
= 0.50 Carnegie unit

Trimester Courses that meet for a 40 - 55 min period every day for a trimester
(~ 200 minutes per week)
= approx 2400 minutes of instruction
= 0.33 Carnegie unit

Quarter Courses that meet for a 40 - 55 min period every day for 9 weeks
(~200 minutes per week)
= approx 1800 minutes of instruction
= 0.25 Carnegie unit

Trimester 3 x 5 Blocks that meet for a 60 - 70 min period every day for a block
(~300 minutes per week)
= approx 3600 minutes of instruction
= 0.50 Carnegie units

Quarter 4 x 4 Blocks that meet for a 80+ min period every day for a block
(~ 400 minutes per week)
= approx 3600 minutes of instruction
= 0.50 Carnegie units

NOTE: Carnegie units for college-credit courses are NOT based on "seat time". Carnegie units for 28E dual-credit courses are based on the number of credits given by the local district. Carnegie units for PSEO courses (since they are college courses) are the default value of '000'.

SCED Course Sequence

Course sequencing is used to describe the order in which courses fitting one description are taken or to distinguish individual courses assigned the same course code

Example 1:

District A schedules courses by semester and offers a full year each of Accounting I and Accounting II

			SCED Code			
Local Course #	Local Course Title	Course	Level	Carnegie	Sequence	-
153F	Accounting I	12104	G	050	11	(Term 1, Year 1)
153S	Accounting I	12104	G	050	21	(Term 2, Year 1)
154F	Accounting II Accounting II	12104	G	050	12	(Term 1, Year 2)
154S		12104	G	050	22	(Term 2, Year 2)

Example 2:

District B schedules courses by the year and offers a full year each of General and Honors Debate I and Debate II. (NOTE: Sequence is the same for both levels)

			SCED Code			
Local Course #	Local Course Title	Course	Level	Carnegie	Sequence	•
654	Debate I	01153	G	100	01	(Term 0, Year 1)
654H	Debate I	01153	Н	100	01	(Term 0, Year 1)
655	Debate II	01153	G	100	02	(Term 0, Year 2)
655H	Debate II	01153	Н	100	02	(Term 0, Year 2)

Example 3:

District C offers and teaches an array of vocal courses - some are grade specific, others are open to multiple grade-levels. Due to limited course codes, many of these courses are assigned the same SCED code. In this case, **sequencing is used to show courses as unique**.

Local						•
Course #	Local Course Title	Course	Level	Carnegie	Sequence	
778	Freshman Madrigal	05111	G	050	11	(Term 1, Group 1)
878	Freshman Madrigal	05111	G	050	21	(Term 2, Group 1)
790	City Singers	05111	G	050	12	(Term 1, Group 2)
	, ,		_		· -	
890	City Singers	05111	G	050	22	(Term 2, Group 2)
793	Chamber Choir	05111	G	050	13	(Term 1, Group 3)
893	Chamber Choir	05111	G	050	23	(Term 2, Group 3)

Example 4:

District C offers several 28E dual credit courses in Auto Mechanics. Due to limited course codes, many of these courses are assigned the same SCED code. In this case **sequencing** is used to show courses as unique (Group 1) as well as the order in which courses are taken (Group 2).

			SCEL	_		
Local Course #	Local Course Title	Course	Level	Carnegie	Sequence	
7778	AUT603 Electricity	20105	С	050	11	(Course 1, Group 1)
7779	AUT404 Susp Steering	20105	С	050	21	(Course 2, Group 1)
7780	AUT704 Heating/AC	20105	С	050	31	(Course 3, Group 1)
7777	AUT503 Brake Systems	20105	С	050	12	(Term 1, Group 2)
7781	AUT535 Adv Brake	20105	С	050	22	(Term 2, Group 2)

Exhibit 2. Secondary subject areas and codes in the SCED

Subject area	Code
English Language and Literature (secondary)	01
Mathematics (secondary)	02
Life and Physical Sciences (secondary)	03
Social Sciences and History (secondary)	04
Fine and Performing Arts (secondary)	05
Foreign Language and Literature (secondary)	06
Religious Education and Theology (secondary)	07
Physical, Health, and Safety Education (secondary)	08
Military Science (secondary)	09
Computer and Information Sciences (secondary)	10
Communications and Audio/Visual Technology (secondary)	11
Business and Marketing (secondary)	12
Manufacturing (secondary)	13
Health Care Sciences (secondary)	14
Public, Protective, and Government Service (secondary)	15
Hospitality and Tourism (secondary)	16
Architecture and Construction (secondary)	17
Agriculture, Food, and Natural Resources (secondary)	18
Human Services (secondary)	19
Transportation, Distribution and Logistics (secondary)	20
Engineering and Technology (secondary)	21
Miscellaneous (secondary)	22

The remainder of this chapter presents the 5-digit course description code, title, and a brief description of each course included in SCED.

Comprehensive Language Arts

01001 English/Language Arts I (9th grade)

English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

01002 English/Language Arts II (10th grade)

English/Language Arts II (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

01003 English/Language Arts III (11th grade)

English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

01004 English/Language Arts IV (12th grade)

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

01005 AP English Language and Composition

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.

01006 AP English Literature and Composition

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).

01007 IB Language A (English)

IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students' accuracy and fluency in the English language.

01008 English as a Second Language

English as a Second Language (ESL) courses are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses. ESL classes may also include an orientation to the customs and culture of the diverse population in the United States.

01009 Language Arts Laboratory

Language Arts Laboratory courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

Literature/Reading

01051 English/Literature (freshmen and sophomores)

English/Literature (freshmen and sophomores) courses are designed for freshmen and/or sophomores and typically introduce them to two or more genres of literature (novel, short story, poetry, and so on). Exploration of each genre's literary elements; determination of theme and intent; and examination of vocabulary and semantics are often included in the course content. Writing assignments are required as an additional method to improve understanding and comprehension.

01052 English/Literature (juniors and seniors)

English/Literature (juniors and seniors) courses are designed for juniors and/or seniors and emphasize comprehension, discernment, and critical-thinking skills in the reading of texts and literature. These courses introduce and explore more advanced literary techniques (irony, satire,

humor, connotation, tone, rhythm, symbolism, and so on) through two or more literary genres, with the aim of creating sophisticated readers. Writing assignments are required as an additional method to develop and improve critical-thinking and analytic skills.

01053 Literature

Literature courses offer the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading selection and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses, and written compositions are often required. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people.

01054 American Literature

American Literature courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

01055 American Literature/History

American Literature/History courses integrate the study of American literature with an overview of U.S. history. These courses may also include other aspects of American culture, such as art or music. A two-year sequence or two-period per day class may be required to cover the same objectives as would be covered separately in U.S. History Overview and American Literature.

01056 British Literature

British Literature courses may provide a survey of British literature or may focus on a selected timeframe of England's history. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

01057 British Literature/History

British Literature/History courses integrate the study of British literature with an overview of the history of England. These courses may also include other aspects of British culture, such as art or music. A two-year sequence or two-period per day class may be required to cover the same objectives as would be covered separately in English History Overview and British Literature.

01058 World Literature

World Literature courses use representative literature selections from ancient and/or modern times from countries around the world. Students improve their critical-thinking skills as they comprehend the diversity of literary traditions and the influences of those traditions. Oral discussion

is an integral part of literature courses, and written compositions are often required.

01059 Biblical Literature

Biblical Literature courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on the books of the Bible. Students may compare techniques, styles, and themes of the various books; examine the Bible's influence on secular literature; and may study historical events of Biblical times. Oral discussion is an integral part of these courses, and written compositions are often required.

01060 Literature of an Author

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on a particular author and his or her work. Students determine the underlying assumptions and values within the selected works; compare techniques, styles, and themes of the author; and reflect upon the time period in which the author lived. Oral discussion is an integral part of literature courses, and written compositions are often required.

01061 Literature of a Genre

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on one or several genres, such as poetry, essay, biography, short story, drama, and so on. Students determine the underlying assumptions and values within the selected works and also examine the structure, techniques, and intentions of the genre being studied. Oral discussion is an integral part of these genre-oriented courses, and written compositions are often required.

01062 Literature of a Period

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on the literature written during or reflecting a particular time period (such as the French Revolution, the 1960s, or the 20th century). Students determine the underlying assumptions and values within the selected works, reflect upon the influence of societal events and social attitudes, and compare the points of view of various authors. Oral discussion is an integral part of literature courses, and written compositions are often required.

01063 Literature of a Place

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on a particular geographic region. Students determine the underlying assumptions and values within the selected works; study how the literature reflects the land, society, and history of the region; and may study the influence of this literature on others. Oral discussion is an integral part of literature courses, and written compositions are often required.

01064 Literature of a People

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), but use literature written by authors who share a particular characteristic such as religion, culture, or gender. Students determine the underlying assumptions and

values within the selected works, reflect upon the influence of a common characteristic, and compare the points of view of various authors. Oral discussion is an integral part of literature courses, and written compositions are often required.

01065 Literature of a Theme

These courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), but use selected literature to explore a particular theme as expressed from several points of view. Such themes might include The American Dream, Society and Self, Exploration, War and Peace, and the like.

01066 Strategic Reading

Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text.

01067 Assisted Reading

Assisted Reading courses offer students the opportunity to focus on their reading skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' reading comprehension up to the desired level or to develop strategies to read more efficiently.

01068 Corrective Reading

Corrective Reading courses offer diagnostic and remedial activities designed to correct reading difficulties and habits that interfere with students' progress in developing reading skills and understandings. Activities are chosen to increase or improve students' reading comprehension, reading technique, and general literacy skills.

01097 Literature—Independent Study

Courses in Literature—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to literature. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

01098 Literature—Workplace Experience

Literature—Workplace Experience courses provide work experience in a field related to English literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

01099 Literature—Other

Composition/Writing

01101 English/Composition (freshmen and sophomores)

English/Composition (freshmen and sophomores) courses are designed for freshmen and/or sophomores and build upon previous writing skills. These courses seek to develop the writing processes and practices necessary for producing successful high school compositions. Students typically learn to write persuasive, critical, and creative multi-paragraph essays and compositions. While emphasizing composition, these courses may also incorporate some literature study to expose students to exemplary illustrations of various forms of writing.

01102 English/Composition (juniors and seniors)

English/Composition (juniors and seniors) courses are designed for juniors and/or seniors and build upon previous writing skills. Reinforcing the logic and critical-thinking skills that accompany good writing, these courses—which emphasize word choice, usage, and writing mechanics—provide continued and advanced instruction in writing for a variety of purposes and audiences. English/Composition (juniors and seniors) courses may emphasize college or business preparation; literature study may be offered as an additional component in which students analyze examples of several genres.

01103 Composition

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expositive styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.

01104 Creative Writing

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

01105 Research/Technical Writing

Research/Technical Writing classes prepare students to write research papers and/or technical reports. These classes emphasize researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a persuasive or technical style.

01147 Composition—Independent Study

Composition—Independent study, often conducted with instructors as mentors, allow students to explore particular topics within the field of language arts (emphasizing composition). Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

01148 Composition—Workplace Experience

Composition—Workplace Experience courses provide work experience in a field related to English composition. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

01149 Composition—Other

Speech and Communication

01151 Public Speaking

Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.

01152 Forensic Speech—Inclusive

Forensic Speech—Inclusive courses offer students the opportunity to learn how to use oral skills effectively in formal and informal situations. Students learn such skills as logic and reasoning, the organization of thought and supporting materials, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to numerous public speaking situations, and they learn the methods, aims, and styles of a variety of events (e.g., formal debate, Lincoln-Douglas debate, expository speaking, radio broadcast, oral interpretation, and dramatic interpretation). Participation in competition is encouraged, but not always required.

01153 Forensic Speech—Debate

Forensic Speech—Debate courses offer students the opportunity to learn how to use oral skills in formal and informal situations. In these courses, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to the methods, aims, and styles used in various kinds of debates (formal debate or Lincoln-Douglas). Participation in competition is encouraged, but not always required.

01154 Forensic Speech—Individual Event

Forensic Speech—Individual Event courses offer students the opportunity to learn how to use oral skills in formal and informal situations. Topics included depend upon the event(s) being taught, but they usually emphasize effective presentation of one's voice and body, thoughtful understanding and interpretation of literature, logic and reasoning, and the organization of thought and supporting materials. Often linked to an extracurricular program, these courses introduce students to one or several individual event categories (e.g., exposition, oral interpretation, dramatic interpretation, and radio broadcast). Participation in competition is encouraged, but not always required.

01155 Communications

Communications courses focus on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance-based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices.

01156 Applied English and Communications

Applied English and Communications courses teach students communication skills—reading, writing, listening, speaking—concentrating on "real-world" applications. These courses usually emphasize the practical application of communication as a business tool—using technical reports and manuals, business letters, resumes, and applications as examples—rather than emphasize language arts skills as applied to scholarly and literary materials.

01197 Speech—Independent Study

English Language and Literature—Independent study courses, often conducted with instructors as mentors, allow students to explore particular topics within the field of language arts (emphasizing speech). Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

01198 Speech—Workplace Experience

Speech—Workplace Experience courses provide work experience in a field related to public speaking and speech. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

01199 Speech—Other

Linguistics

01201 English Morphology and Grammar

English Morphology and Grammar courses involve the study of the English language—its roots and derivations, structure and sentence patterns, dialects, writing and spelling systems, and uses as a communication tool.

01202 History of the English Language

History of the English Language courses trace the development of English, concentrating on historical and cultural influences and how the language has changed over time. Although language roots, structures, and dialects may be examined, the emphasis remains on the process of language development rather than on morphology.

01203 English—Test Preparation

English—Test preparation courses provide students with activities in analytical thinking and with the skills and strategies associated with standardized test taking. Topics covered include vocabulary, reading comprehension, and writing strategies, as well as time management, scoring procedures, and dealing with stress. Course materials may include ACT, SAT and PSAT review materials, current assessment software programs, and previous standardized examinations.

All Others

01992 English Proficiency Development

English Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations.

01995 English Language and Literature—Aide

English Language and Literature—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

01997 English Language and Literature—Independent Study

English Language and Literature—Independent study courses, often conducted with instructors as mentors, allow students to explore particular topics within the field of language arts. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

01998 English Language and Literature—Workplace Experience

English Language and Literature—Workplace Experience courses provide students with work experience in a field related to English language or literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

01999 English Language and Literature—Other

Subject Area 2: Mathematics (secondary)

Foundation Mathematics

02001 Informal Mathematics

Informal Mathematics courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and highlight the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general math,

pre-algebra, and pre-geometry topics by applying numbers, and algebraic and geometric concepts and relationships to real world problems.

02002 General Math

General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

02003 Particular Topics in Foundation Math

These courses examine particular topics in Foundation math, such as arithmetic or basic conceptual skills, rather than provide a general overview.

02047 Foundation Math—Independent Study

Foundation Math—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to foundation mathematics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

02049 Foundation Math—Other

Pure Mathematics

02051 Pre-Algebra

Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

02052 Algebra I

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

02053 Algebra I—Part 1

The first part in a multi-part sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first degree equations and inequalities.

02054 Algebra I—Part 2

The second part in a multi-part sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics.

02055 Transition Algebra

Transition Algebra courses review and extend algebra and geometry concepts for students who have already taken Algebra I and Geometry. Transition Algebra courses include a review of such topics as properties and operations of real numbers; evaluation of rational algebraic expressions; solutions and graphs of first degree equations and inequalities; translation of word problems into equations; operations with and factoring of polynomials; simple quadratics; properties of plane and solid figures; rules of congruence and similarity; coordinate geometry including lines, segments, and circles in the coordinate plane; and angle measurement in triangles including trigonometric ratios.

02056 Algebra II

Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

02057 Algebra III

Algebra III courses review and extend algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. The courses may introduce topics in discrete math, elementary probability and statistics; matrices and determinants; and sequences and series.

02058 Particular Topics in Algebra

These courses examine a specific topic in algebra, such as linear equations or rational numbers, rather than provide an overview of algebra concepts.

02061 Integrated Math—multi-year equivalent

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. The multi-period sequence of Integrated Math replaces the traditional Algebra I, Geometry, Algebra II sequence of courses, and usually covers the following topics during a three- or four-year sequence: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure.

02069 Algebra—Other

02071 Informal Geometry

Informal Geometry courses emphasize a practical approach to the study of geometry and deemphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

02072 Geometry

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

02073 Analytic Geometry

Analytic Geometry courses include the study of the nature and intersection of lines and planes in space, including vectors, the polar coordinate system, equations and graphs of conic sections, rotations and transformations, and parametric equations.

02074 Principles of Algebra and Geometry

Principles of Algebra and Geometry courses combine the study of some pre-algebra and algebra topics with introductory geometry topics. These courses include the study of formulas, algebraic expressions, first degree equations and inequalities, the rectangular coordinate system, area, perimeter, and volume of geometric figures, and properties of triangles and circles.

02075 Particular Topics in Geometry

These courses examine specific topics in geometry, such as solid or technical geometry, rather than provide a general study of the field of geometry.

02079 Geometry—Other

02101 Number Theory

Number Theory courses review the properties and uses of integers and prime numbers, and extend this information to congruences and divisibility.

02102 Discrete Mathematics

Discrete Mathematics courses include the study of topics such as number theory, discrete probability, set theory, symbolic logic, Boolean algebra, combinatorics, recursion, basic algebraic structures and graph theory.

02103 Trigonometry

Trigonometry courses prepare students for eventual work in calculus and typically include the following topics: trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; and complex numbers.

02104 Math Analysis

Math Analysis courses include the study of polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. They may also include some study of trigonometry and/or pre-calculus topics.

02105 Trigonometry/Math Analysis

Covering topics of both Trigonometry and Math Analysis, these courses prepare students for eventual work in calculus. Topics typically include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

02106 Trigonometry/Algebra

Trigonometry/Algebra courses combine trigonometry and advanced algebra topics, and are usually intended for students who have attained Algebra I and Geometry objectives. Topics typically include right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; and properties of higher degree equations.

02107 Trigonometry/Analytic Geometry

Covering topics of both Trigonometry and Analytic Geometry, these courses prepare students for eventual work in calculus. Topics typically include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; vectors; the polar coordinate system; equations and graphs of conic sections; rotations and transformations; and parametric equations.

02108 Math Analysis/Analytic Geometry

Covering topics from both Math Analysis and Analytic Geometry, these courses prepare students for eventual work in calculus. Topics include the study of polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity; the polar coordinate system; equations and graphs of conic sections; rotations and transformations; and parametric equations.

02109 Elementary Functions

Elementary Functions courses, while preparing students for eventual work in calculus, include the study of relations and functions, including polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their inverses, graphs, and applications.

02110 Pre-Calculus

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

02111 Linear Algebra

Linear Algebra courses include a study of matrices, vectors, tensors, and linear transformations and are typically intended for students who have attained pre-calculus objectives.

02112 Linear Programming

Linear Programming courses include a study of mathematical modeling and the simplex method to solve linear inequalities and are typically intended for students who have attained precalculus objectives.

02113 Abstract Algebra

Abstract Algebra courses include a study of the properties of the number system from an abstract perspective, including such topics as number fields (i.e., rational, real, and complex numbers), integral domains, rings, groups, polynomials, and the fundamental theorem of algebra. Abstract Algebra is typically geared towards students who have attained pre-calculus objectives.

02121 Calculus

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).

02122 Multivariate Calculus

Multivariate Calculus courses include the study of hyperbolic functions, improper integrals, directional directives, and multiple integration and its applications.

02123 Differential Calculus

Differential Calculus courses include the study of elementary differential equations including first- and higher-order differential equations, partial differential equations, linear equations, systems of linear equations, transformations, series solutions, numerical methods,

boundary value problems, and existence theorems.

02124 AP Calculus AB

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral).

02125 AP Calculus BC

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus BC courses provide students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also require additional knowledge of the theoretical tools of calculus. These courses assume a thorough knowledge of elementary functions, and cover all of the calculus topics in AP Calculus AB as well as the following topics: vector functions, parametric equations, and polar coordinates; rigorous definitions of finite and nonexistent limits; derivatives of vector functions and parametrically defined functions; advanced techniques of integration and advanced applications of the definite integral; and sequences and series.

02126 Particular Topics in Calculus

These courses examine specific topics in calculus (such as integral calculus, special functions or series, or the applications of calculus to mathematical modeling), rather than provide a general overview of calculus.

02131 IB Mathematical Studies

IB Mathematical Studies courses prepare students to take the International Baccalaureate Mathematical Studies exam at the Subsidiary or Higher level. Intended to provide students with the skills to cope with the mathematical demands of a technological society, course topics include linear, quadratic, and exponential functions, solutions, and graphs; skills in computation, estimation, and development of algorithms; data analysis, including collection, calculation, and presentation of statistics; set operations and logic; business techniques, including progressions and linear programming; and geometry and trigonometry.

02132 IB Mathematics

IB Mathematics courses prepare students to take the International Baccalaureate Mathematics exams at the Subsidiary or Higher level. Topics include operations and properties of number sets; trigonometric functions, equations, and graphs; algebra and coordinate geometry; simultaneous linear equations; polynomial and quadratic functions and equations; calculus, including bilinear, exponential and logarithmic functions; two dimensional vectors and matrices; and probability.

02133 IB Mathematics and Computing—SL

IB Mathematics and Computing—SL courses prepare students to take the International Baccalaureate Mathematics and Computing exam at the Subsidiary level. Designed to give students a working knowledge of a high level programming language and sound mathematical training, course topics include operations and properties of number sets; trigonometric functions, equations, and graphs; algebra and coordinate geometry, including simultaneous linear equations, binomial theorem, and polynomial and quadratic functions and equations; calculus; vectors and matrices; and numerical analysis. The courses also contain components on computer problem solving and programming; topics regarding computer hardware, software, modes of operation, and data types and structures.

02134 IB Further Mathematics—SL

IB Further Mathematics—SL courses prepare students to take the International Baccalaureate Further Mathematics at the Subsidiary level. Designed to advance students knowledge of IB mathematics—HL, course topics include geometry; statistics and probability; sets, relations and groups; series and differential equations; and discrete mathematics.

02141 Particular Topics in Analytic Mathematics

These courses examine particular topics in analytic mathematics (such as mathematical proofs and structures or numerical analysis), not otherwise described above.

02149 Analytic Mathematics—Other

Applied Mathematics

02151 General Applied Math

General Applied Math courses reinforce general math skills, extend these skills to include some pre-algebra and algebra topics, and use these skills in a variety of practical, consumer, business, and occupational applications. Course topics typically include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations.

02152 Occupationally Applied Math

Occupationally Applied Math courses reinforce general math skills, extend these skills to include some pre-algebra and algebra topics, and use these skills primarily in occupational applications. Course topics typically include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations.

02153 Technical Math

Technical Math courses extend students' proficiency in mathematics, and often apply these skills to technical and/or industrial situations and problems. Technical Math topics may include but are not limited to rational numbers, systems of measurements, tolerances, numerical languages, geometry, algebra, statistics, and using tables, graphs, charts, and other data displays. Technology is integrated as appropriate.

02154 Business Math

Business Math courses reinforce general math skills, emphasize speed and accuracy in computations, and use these skills in a variety of business applications. Business Math courses reinforce general math topics (e.g., arithmetic, measurement, statistics, ratio and proportion, exponents, formulas, and simple equations) by applying these skills to business problems and situations; applications might include wages, hourly rates, payroll deductions, sales, receipts, accounts payable and receivable, financial reports, discounts, and interest.

02155 Business Math with Algebra

Business Math with Algebra courses teach and have students apply algebra concepts to a variety of business and financial situations. Applications usually include income, insurance, credit, banking, taxation, stocks and bonds, and finance.

02156 Computer Math with Algebra

Intended for students who have attained the objectives of Algebra I, Computer Math—Algebra I level courses include a study of computer systems and programming, and use the computer to solve math problems.

02157 Consumer Math

Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

Probability and Statistics

02201 Probability and Statistics

Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

02202 Inferential Probability and Statistics

Probability and Statistics courses focus on descriptive statistics, with an introduction to inferential statistics. Topics typically include event probability, normal probability distribution, collection and description of data, frequency tables and graphs, measures of central tendency and variability, random variables, and random sampling. Course topics may also include covariance and correlation, central limit theorem, confidence intervals, and hypothesis testing.

02203 AP Statistics

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for

collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

02204 Particular Topics in Probability and Statistics

These courses examine particular topics in Probability and Statistics, such as regression or hierarchical linear modeling, rather than provide a general overview.

02207 Probability and Statistics—Independent Study

Probability and Statistics—Independent Study courses, often conducted with instructors as mentors, enable students to explore mathematics topics of interest. These courses may be offered in conjunction with other rigorous math courses, or may serve as an opportunity to explore a topic of special interest. They may also serve as an opportunity to study for AP exams if the school does not offer specific courses for that endeavor.

02209 Probability and Statistics—Other

Other Mathematics

02991 History of Math

History of Math courses include a study of the historical development of numbers, computation, algebra, and geometry. Figures critical to the development of mathematics (e.g., Pythagoras, Pascal, Descartes) or important developments (e.g., pi, decimal fractions, probability theory, calculus) often form the backbone of these classes.

02993 Mathematics—Test Preparation

Mathematics—Test Preparation courses provide students with activities in analytical thinking and with the skills and strategies associated with standardized test taking (such as the PSAT, SAT, and ACT). Topics covered include strategies for arithmetic, algebra, geometry, and quantitative comparison problems as well as time management, scoring procedures and calculator usage.

02994 Mathematics Proficiency Development

Mathematics Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations.

02995 Mathematics—Aide

Mathematics—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course materials. Students may provide tutorial or instructional assistance to other students.

02997 Mathematics—Independent Study

Mathematics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to mathematics. Independent Study courses may

serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

02998 Mathematics—Workplace Experience

Mathematics—Workplace Experience courses provide students with work experience in a field related to mathematics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

02999 Mathematics—Other

Subject Area 3: Life and Physical Sciences (secondary)

Earth Science

03001 Earth Science

Earth Science courses offer insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.

03002 Geology

Geology courses provide an in-depth study of the forces that formed and continue to affect the earth's surface. Earthquakes, volcanoes, and erosion are examples of topics that are presented.

03003 Environmental Science

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

03004 Astronomy

Astronomy courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomic instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

03005 Marine Science

Courses in Marine Science focus on the content, features, and possibilities of the earth's oceans. They explore marine organisms, conditions, and ecology and sometimes cover marine mining, farming, and exploration.

03006 Meteorology

Meteorology courses examine the properties of the earth's atmosphere. Topics usually include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts, temperature changes and weather forecasting.

03007 Physical Geography

Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of climate and weather, and natural resources.

03008 Earth and Space Science

Earth and Space Science courses introduce students to the study of the earth from a local and global perspective. In these courses, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics often include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as a complex and changing planet.

03047 Earth Science—Independent Study

Earth Science—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest.

03048 Earth Science—Workplace Experience

Earth Science—Workplace Experience courses provide work experience in a field related to earth science. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

03049 Earth Science—Other

Biology

03051 Biology

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

03052 Biology—Advanced Studies

Usually taken after a comprehensive initial study of biology, Biology—Advanced Studies courses cover biological systems in more detail. Topics that may be explored include cell

organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms.

03053 Anatomy and Physiology

Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

03054 Anatomy

Anatomy courses present an in-depth study of the human body and biological system. Students study such topics as anatomical terminology, cells, and tissues and typically explore functional systems such as skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems.

03055 Physiology

Physiology courses examine all major systems, tissues, and muscle groups in the human body to help students understand how these systems interact and their role in maintaining homeostasis. These courses may also cover such topics as cell structure and function, metabolism, and the human life cycle.

03056 AP Biology

Adhering to the curricula recommended by the College Board and designed to parallel college-level introductory biology courses, AP Biology courses stress basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology courses include college-level laboratory experiments.

03057 IB Biology

IB Biology courses prepare students to take the International Baccalaureate Biology exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of these courses.

03058 Botany

Botany courses provide students with an understanding of plants, their life cycles, and their evolutionary relationships.

03059 Genetics

Genetics courses provide students with an understanding of general concepts concerning genes, heredity, and variation of organisms. Course topics typically include chromosomes, the structure of DNA and RNA molecules, and dominant and recessive inheritance and may also include lethal alleles, epistasis and hypostasis, and polygenic inheritance.

03060 Microbiology

Microbiology courses provide students with a general understanding of microbes, prokaryotic and euaryotic cells, and the three domain systems. Additional topics covered may include bacterial control, cell structure, fungi, protozoa, viruses and immunity, microbial genetics, and metabolism.

03061 Zoology

Zoology courses provide students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop an awareness and understanding of biotic communities.

03062 Conceptual Biology

These courses provide students with a basic understanding of living things. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.

03063 Particular Topics in Biology

Particular Topics in Biology courses concentrate on a particular subtopic within the field of biology (such as botany, zoology, genetics, and so on) that is not otherwise described within this classification system.

03097 Biology—Independent Study

Biology—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity for students to explore a topic of special interest.

03098 Biology—Workplace Experience

Biology—Workplace Experience courses provide work experience in a field related to biology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

03099 Biology—Other

Chemistry

03101 Chemistry

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

03102 Chemistry—Advanced Studies

Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

03103 Organic Chemistry

Organic Chemistry courses involve the study of organic molecules and functional groups. Topics covered may include nomenclature, bonding molecular structure and reactivity, reaction mechanisms, and current spectroscopic techniques.

03104 Physical Chemistry

Usually taken after completing a calculus course, Physical Chemistry courses cover chemical kinetics, quantum mechanics, molecular structure, molecular spectroscopy, and statistical mechanics.

03105 Conceptual Chemistry

Conceptual Chemistry courses are practical, nonquantitative chemistry courses designed for students who desire an understanding of chemical concepts and applications.

03106 AP Chemistry

Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Topics covered may include atomic theory and structure; chemical bonding; nuclear chemistry; states of matter; and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses.

03107 IB Chemistry

IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the materials of the environment, their properties, and their interaction. Laboratory

experimentation is an essential part of these courses.

03108 Particular Topics in Chemistry

Particular Topics in Chemistry courses concentrate on a particular subtopic within the field of chemistry (such as chromatography and spectrometry) that is not otherwise described in this classification system.

03147 Chemistry—Independent Study

Chemistry—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest.

03148 Chemistry—Workplace Experience

Chemistry—Workplace Experience courses provide work experience in a field related to chemistry. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

03149 Chemistry—Other

Physics

03151 Physics

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

03152 Physics—Advanced Studies

Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

03153 Principles of Technology

Principles of Technology courses focus on the study of the forces and laws of nature and their application to modern technology. Equilibrium, motion, momentum, energy conversion, electromagnetism, and optical phenomena are presented in the context of current, real-world applications. Demonstrations, math labs, and applied laboratory experiments are an integral part of the Principles of Technology curriculum. These courses enable students to gain a solid foundation for careers in electronics, robotics, telecommunications, and other technological fields.

03155 AP Physics B

AP Physics B courses are designed by the College Board to parallel college-level physics courses that provide a systematic introduction to the main principles of physics and emphasize problem-solving without calculus. Course content includes mechanics, electricity and magnetism, modern physics, waves and optics, and kinetic theory and thermodynamics.

03156 AP Physics C

Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C courses primarily focus on 1) mechanics and 2) electricity and magnetism, with approximately equal emphasis on these two areas. AP Physics C courses are more intensive and analytical than AP Physics B courses and require the use of calculus to solve the problems posed.

03157 IB Physics

IB Physics courses prepare students to take the International Baccalaureate Physics exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Physics promotes understanding of the facts, patterns, and principles underlying the field of physics; critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of scientific advances in physics upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the fundamental laws of nature and the interaction between concepts of matter, fields, waves, and energy. Laboratory experimentation is essential; calculus may be used in some courses.

03159 Physical Science

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

03160 IB Physical Science

IB Physical Science courses prepare students to take the International Baccalaureate Physical Science exams at either the Subsidiary or Higher level. These courses integrate the study of physics and chemistry, showing how the physical and chemical properties of materials can be explained and predicted in terms of atomic, molecular, and crystal structures and forces. In keeping with the general aim of IB Experimental Sciences courses, IB Physical Science courses promote critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of science and scientific advances upon both society and issues of ethical, philosophical, and political importance. Students are required to develop and pursue an individual, experimental project, which is evaluated as part of the IB exam.

03161 Conceptual Physics

Conceptual Physics courses introduce students to the use of chemicals, characteristic properties of materials, and simple mechanics to better describe the world and nonliving matter. The courses emphasize precise measurements and descriptive analysis of experimental results. Topics covered may include energy and motion, electricity, magnetism, heat, the structure of matter, and

how matter reacts to materials and forces.

03162 Particular Topics in Physics

Particular Topics in Physics courses concentrate on a particular subtopic within the field of physics (such as optics, thermodynamics, quantum physics, and so on) that is not otherwise described in this classification system.

03197 Physics—Independent Study

Physics—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may provide students with an opportunity to explore a topic of special interest.

03198 Physics—Workplace Experience

Physics—Workplace Experience courses provide work experience in a field related to physics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

03199 Physics—Other

Integrated/Other

03201 Integrated Science

The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.

03202 Unified Science

Unified Science courses combine more than one branch of science into a cohesive study or may integrate science with another discipline. General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques.

03203 Applied Biology/Chemistry

Applied Biology/Chemistry courses integrate biology and chemistry into a unified domain of study and present the resulting body of knowledge in the context of work, home, society, and the environment, emphasizing field and laboratory activities. Topics include natural resources, water, air and other gases, nutrition, disease and wellness, plant growth and reproduction, life processes, microorganisms, synthetic materials, waste and waste management, and the community of life.

03204 Technological Inquiry

Technological Inquiry courses provide students with an understanding of the use of process skills as an integral part of scientific activity and technological development. Students learn how scientific phenomena are explained, measured, predicted, organized, and communicated.

03205 Origins of Science

Origins of Science courses explore the body of scientific knowledge and discoveries from an historical perspective, wherein students gain an understanding of how one discovery led to others or to entire revolutions of thought. In these courses, original experiments may be replicated, and students may study primary materials.

03206 IB Design Technology

IB Design Technology courses prepare students to take the International Baccalaureate Design Technology exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Design Technology courses promote understanding and use of the scientific method to solve problems using scientific information and production techniques. Practical/investigative work centers on the properties of materials, mechanisms, control circuits, and production techniques as they apply to constructing an artifact or developing skills and ideas useful in carrying out such a project.

03207 AP Environmental Science

AP Environmental Science courses are designed by the College Board to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and human made), evaluate the relative risks associated with the problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include science as a process, ecological processes and energy conversions, earth as an interconnected system, the impact of humans on natural systems, cultural and societal contexts of environmental problems, and the development of practices that will ensure sustainable systems.

03208 IB Environmental Systems

IB Environmental Systems courses prepare students to take the International Baccalaureate Environmental Systems exam at the Standard level by providing them with the knowledge, methods, and techniques to understand the nature and functioning of natural systems, the relationships that affect environmental equilibrium, and human impact on the biosphere. Topics also include ecosystem integrity and sustainability, students' own relationships to the environment, and the nature of internationalism in resolving major environmental issues.

03209 Aerospace

Aerospace courses explore the connection between meteorology, astronomy, and flight across and around the earth as well as into outer space. In addition to principles of meteorology (e.g., atmosphere, pressures, winds and jet streams) and astronomical concepts (e.g., solar system, stars, and interplanetary bodies), course topics typically include the history of aviation, principles of aeronautical decision-making, airplane systems, aerodynamics, and flight theory.

03210 Science, Technology, and Society

Science, Technology, and Society courses encourage students to explore and understand the ways in which science and technology shape culture, values, and institutions and how such factors, in turn, shape science and technology. Topics covered may include how science and technology enter society and how they change as a result of social processes.

03211 Technical Science

Technical Science courses introduce students to scientific tools and methods and provide an introduction to chemistry and physics. Topics covered typically include measurement conversion, model creation, use of scientific methods, interpretation of atoms, identification of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the study of various physical phenomena and forms of energy.

03212 Scientific Research and Design

In Scientific Research and Design courses, students conceive of, design, and complete a project using scientific inquiry and experimentation methodologies. Emphasis is typically placed on safety issues, research protocols, controlling or manipulating variables, data analysis, and a coherent display of the project and its outcome(s).

03994 Life and Physical Sciences—Proficiency Development

Life and Physical Sciences—Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations related to the life sciences and physical sciences.

03995 Life and Physical Sciences—Aide

Life and Physical Sciences—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students and may serve as laboratory assistants.

03997 Life and Physical Sciences—Independent Study

Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest.

03998 Life and Physical Sciences—Workplace Experience

Life and Physical Sciences—Workplace Experience courses provide work experience in a field related to life and/or physical science. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

03999 Life and Physical Sciences—Other

Geography

04001 World Geography

World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

04002 Particular Topics in Geography

Particular Topics in Geography courses examine a particular topic in geography, such as physical or cultural geography, or the geography of a particular area or region, rather than provide an overview of the field.

04003 IB Geography

IB Geography courses prepare students to take the International Baccalaureate Geography exams at either the Subsidiary or Higher level, and individual courses vary to reflect the different emphases of the exams (either human or physical geology and case study or fieldwork instruction). In general, however, IB Geography courses aim to help students understand the relationships within society, the relationships between society and the natural environment, and how those relationships change over time.

04004 AP Human Geography

Following the College Board's suggested curriculum designed to parallel college-level Human Geography courses, AP Human Geography introduces students to the systematic study of patterns and processes that have shaped the ways in which humans understand, use, and alter the earth's surface. Students use spatial concepts and landscape analysis to examine human social organization and its environmental consequences and also learn about the methods and tools geographers use in their science and practice.

04047 Geography—Independent Study

Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills.

04048 Geography—Workplace Experience

Geography—Workplace Experience courses provide work experience in a field related to geography. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

04049 Geography—Other

World History

04051 World History—Overview

World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.

04052 World History and Geography

In addition to covering the objectives of World History—Overview courses, World History and Geography courses provide an overview of world geography. These courses are often developed in response to increased national concern regarding the importance of geography, and they explore geographical concepts.

04053 Modern World History

Modern World History courses provide an overview of the history of human society in the past few centuries—from the Renaissance period, or later, to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments.

04054 IB History

IB History courses prepare students to take the International Baccalaureate History exams at either the Subsidiary or Higher level. In these courses, students study political, military, economic, social, and cultural trends and explore the nature of historical documentation and the methods used by historians. IB History courses survey 20th-century topics in an international context; provide a detailed regional study of a major area (Africa, Europe, the Americas, West and South Asia, East and Southeast Asia, or Australia); and enable students to undertake individual study on a subject of interest in greater detail and depth.

04055 Modern European History

Modern European History courses examine the development of political, social, and economic movements in Europe over the past few centuries (from the Renaissance period, or later, to the contemporary period) and usually include such topics as the rise of the modern nation state, scientific and industrial revolutions, the age of exploration and nationalism, imperialism, and world war.

04056 AP European History

Following the College Board's suggested curriculum designed to parallel college-level European History courses, AP European History courses examine European civilization from the High Renaissance period to the recent past and also expose students to the factual narrative. In addition, these courses help students develop an understanding of some of the principal themes in modern European history and the abilities to analyze historical evidence and to express that

understanding and analysis in writing.

04057 AP World History

Following the College Board's suggested curriculum designed to parallel college-level World History courses, AP World History courses examine world history from 8000 BCE to the present with the aim of helping students develop a greater understanding of the evolution of global processes and contracts and how different human societies have interacted. These courses highlight the nature of changes in an international context and explore their causes and continuity.

04058 Ancient Civilizations

Ancient Civilizations courses provide a survey of the evolution of society from the ancient Middle East through Greek and Roman civilizations. Typically, in these courses, students study the rise and fall of civilizations and empires, with an emphasis on the legacies they provide to successive societies.

04059 Medieval European History

Medieval European History courses provide a survey of European civilization from the fall of Rome through the late Middle Ages.

04060 Ancient and Medieval History

Ancient and Medieval History courses combine a study of ancient civilizations and Medieval Europe, beginning with the civilizations of the ancient Middle East and continuing through the late Middle Ages in Europe.

04061 World Area Studies

World Area Studies courses examine the history, politics, economics, society, and/or culture of one or more regions of the world, such as Africa, Latin America, the former Soviet Union, Far East Asia, and the Middle East. These courses may focus primarily on the history of a particular region or may take an interdisciplinary approach to the contemporary issues affecting the region. Furthermore, these courses may emphasize one particular country (other than the United States), rather than emphasizing a region or continent.

04062 World People Studies

World People Studies courses allow students to study various types of subgroups that have something in common such as religion, gender, or culture. Similar in style to World Area Studies, but focusing on a group of people rather than on a specific region, these courses examine a subgroup's history, politics, economics, and/or culture.

04063 Western Civilization

Western Civilization courses apply an interdisciplinary approach to the study of western cultural traditions, frequently using a chronological framework. Course content typically includes a survey of the major developments in and contributors to art and architecture, literature, religion and philosophy, and culture. These courses may also cover intellectual and political movements.

04064 Contemporary World Issues

Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions.

04065 Particular Topics in World History

These courses examine particular topics in world history other than those already described.

04066 IB Islamic History

IB Islamic History courses prepare students to take the International Baccalaureate History exams at either the Subsidiary or Higher level. These courses are designed to provide students with the means to acquire a deep and open understanding of Islamic history and to grasp its contribution to the history of the world. Possible topics covered include political, social, economic, and intellectual aspects of Islamic history.

04097 World History—Independent Study

World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills.

04098 World History—Workplace Experience

World History—Workplace Experience courses provide work experience in a field related to world history. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

04099 World History—Other

U.S. History

04101 U.S. History—Comprehensive

U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

04102 Early U.S. History

Early U.S. History courses examine the history of the United States from the colonial period

to the Civil War or Reconstruction era (some courses end after this period). Some courses include American history before European settlement, while others may begin at the formation of the new nation. These courses typically include a historical overview of political, military, scientific, and social developments.

04103 Modern U.S. History

Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period) through the present time. These courses typically include a historical review of political, military, scientific, and social developments.

04104 AP U.S. History

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

04105 State-Specific Studies

State-Specific Studies courses examine the history, politics, economics, society, and/or cultures of one state in the United States. This course may focus primarily on the history of that state or may take an interdisciplinary approach to the contemporary issues affecting it.

04106 Contemporary U.S. Issues

Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.

04107 U.S. Ethnic Studies

U.S. Ethnic courses examine the history, politics, economics, society, and/or culture of one or more of the racial/ethnic groups in the United States. These courses may focus primarily on the history of an individual racial/ethnic group or may take a more comprehensive approach to studying the contemporary issues affecting racial/ethnic groups overall.

04108 U.S. Gender Studies

U.S. Gender Studies courses examine the history, politics, economics, and/or culture of gender in U.S. society. These courses may focus primarily on gender relations or may take a more comprehensive approach to studying the contemporary issues related to gender.

04109 Particular Topics in U.S. History

These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject.

04147 U.S. History—Independent Study

U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills.

04148 U.S. History—Workplace Experience

U.S. History—Workplace Experience courses provide work experience in a field related to U.S. history. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

04149 U.S. History—Other

Government, Politics, and Law

04151 U.S. Government—Comprehensive

U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

04152 Particular Topics in U.S. Government

These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress, or the Office of the President.

04153 Political Science

Political Science courses approach the study of politics from a theoretical perspective, including an examination of the role of government and the nature of political behavior, political power, and political action.

04154 Comparative Government

Comparative Government courses study the basic tenets of government, searching for the differences and similarities among several forms of government. These courses take a comparative approach to the study of government and politics, focusing on how the United States compares with other nations.

04155 International Relations

International Relations courses provide students with an introduction to the relationships

that exist among nations, including an examination of the modern state; the foreign policies of nations; the dynamics of nationalism, ideology, and culture; and the role of international organizations. The courses may also emphasize contemporary events.

04156 United States and World Affairs

United States and World Affairs courses provide a study of global interrelationships. Topics covered may include geographic, political, economic, and social issues of a particular country or region, with an emphasis on how these issues influence (or are influenced by) the way in which the United States relates to other countries in an interdependent world context.

04157 AP U.S. Government and Politics

Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, these courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The courses generally cover the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties.

04158 AP Comparative Government and Politics

Following the College Board's suggested curriculum designed to parallel college-level Comparative Government and Politics courses, these courses offer students an understanding of the world's diverse political structures and practices. The courses encompass the study of both specific countries and general concepts used to interpret the key political relationships found in virtually all national policies. Course content generally includes sources of public authority and political power, the relationship between states and society, the relationships between the political and institutional frameworks of citizens and states, political change, and comparative methods.

04159 AP Government

AP Government courses prepare students for the AP exams in both U.S. Government and Politics and Comparative Government and Politics. Course content includes the topics covered in those two separate courses as described above.

04160 Principles of Democracy

Principles of Democracy courses combine a study of the structure of national, state, and local U.S. government with an overview of the principles of market economics. Course content may include contemporary U.S. issues. The purpose of these courses is to prepare students to perform effectively as informed citizens.

04161 Civics

Civics courses examine the general structure and functions of American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve into the same degree of detail on constitutional principles or the role of political parties and interest

groups as do comprehensive courses in U.S. Government.

04162 Law Studies

Law Studies courses examine the history and philosophy of law as part of U.S. society and include the study of the major substantive areas of both criminal and civil law, such as constitutional rights, torts, contracts, property, criminal law, family law, and equity. Although these courses emphasize the study of law, they may also cover the workings of the legal system.

04163 Consumer Law

Consumer Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as consumers and young adults (such as contractual laws, laws pertaining to housing and marriage, and constitutional rights).

04164 Business Law

Business Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as future business leaders and employees. Such topics may include contracts, commercial paper and debt instruments, property rights, employer/employee relationships, and constitutional rights and responsibilities.

04165 Legal System

Legal System courses examine the workings of the U.S. criminal and civil justice systems, including providing an understanding of civil and criminal law and the legal process, the structure and procedures of courts, and the role of various legal or judicial agencies. Although these courses emphasize the legal process, they may also cover the history and foundation of U.S. law (the Constitution, statutes, and precedents). Course content may also include contemporary problems in the criminal justice system.

04166 Particular Topics in Law

These courses examine a particular topic in law such as the Constitution, specific statutes, or the legal process rather than provide an overview.

04197 Government, Politics, and Law—Independent Study

Government, Politics, and Law—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within one of the fields of Government, Politics, and Law. These courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills.

04198 Government, Politics, and Law—Workplace Experience

Government, Politics, and Law—Workplace Experience courses provide students with work experience in a field related government, politics, and/or law. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or

discussion regarding experiences that students encounter in the workplace.

04199 Government, Politics, and Law—Other

Economics

04201 Economics

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

04202 Comparative Economics

Comparative Economics courses offer students an opportunity to study different economies and economic systems, including an examination of various approaches to problems in micro- and macroeconomics.

04203 AP Microeconomics

Following the College Board's suggested curriculum designed to parallel college-level microeconomics, AP Microeconomics courses provide students with a thorough understanding of the principles of economics that apply to the functions of individual decisionmakers (both consumers and producers). They place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy.

04204 AP Macroeconomics

Following the College Board's suggested curriculum designed to parallel college-level macroeconomics, AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics.

04205 AP Economics

AP Economics courses prepare students for the College Board's examinations in both Microeconomics and Macroeconomics; these courses include the content of the two separate courses as described above.

04206 IB Economics

IB Economics courses prepare students to take the International Baccalaureate Economics exams at either the Subsidiary or Higher level. The courses provide students with the basic tools of economic reasoning and teach them to use those tools to explain or interpret economic problems. Course content includes resource allocation under various systems, national income analysis, international economics, and economic development and growth and may also cover income distribution.

04207 Particular Topics in Economics

These courses examine a particular topic in Economics rather than provide a general overview of the field. Course topics may include international economics, economic development and growth of a particular country or region, or resource allocation.

04247 Economics—Independent Study

Economics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the field of economics. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills.

04248 Economics—Workplace Experience

Economics—Workplace Experience courses provide work experience in a field related to economics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

04249 Economics—Other

Social Sciences

04251 Anthropology

Anthropology courses introduce students to the study of human evolution with regard to the origin, distribution, physical attributes, environment, and culture of human beings. These courses provide an overview of anthropology, including but not limited to both physical and cultural anthropology.

04252 Particular Topics in Anthropology

These courses examine a particular topic in anthropology, such as physical anthropology, cultural anthropology, or archeology, rather than provide a more comprehensive overview of the field.

04253 IB Social Anthropology

IB Social Anthropology courses prepare students to take the International Baccalaureate Social Anthropology exams at either the Subsidiary or Higher level. The courses aim to promote students' awareness of underlying patterns and causes of social relationships and systems, preconceptions and assumptions within the social environment, and the use of ethnographic data in creating models, drawing inferences, and making comparisons.

04254 Psychology

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in

human growth and development, personality and behavior, and abnormal psychology.

04255 Particular Topics in Psychology

These courses examine a particular topic in psychology, such as human growth and development or personality, rather than provide a more comprehensive overview of the field.

04256 AP Psychology

Following the College Board's suggested curriculum designed to parallel a college-level psychology course, AP Psychology courses introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, expose students to each major subfield within psychology, and enable students to examine the methods that psychologists use in their science and practice.

04257 IB Psychology

IB Psychology courses prepare students to take the International Baccalaureate Psychology exams at either the Subsidiary or Higher level. Course content includes developmental and social psychology, cognition and learning, and personality subject areas, which are approached from biological/physiological, behavioral, and humanistic points of view. These courses may include a study of research design and statistics and involve practical work in psychological research.

04258 Sociology

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

04259 Particular Topics in Sociology

These courses examine a particular topic in sociology, such as culture and society or the individual in society, rather than provide an overview of the field of sociology.

04260 Social Science

Social Science courses provide students with an introduction to the various disciplines in the social sciences, including anthropology, economics, geography, history, political science, psychology, and sociology. Typically, these courses emphasize the methodologies of the social sciences and the differences among the various disciplines.

04261 Social Science Research

Social Science Research courses emphasize the methods of social science research, including statistics and experimental design.

04262 IB Organization Studies

IB Organization Studies courses prepare students to take the International Baccalaureate

Organization Studies exams at either the Subsidiary or Higher levels. These IB courses provide a broad introduction to the principles and practices of enterprises engaged in producing, distributing, and exchanging goods and services in a variety of economic frameworks. A sample of topics explored within these courses include management styles and structures; decision-making methods; and methods for accounting, planning, and communication.

04297 Social Sciences—Independent Study

Social Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within one of the social science fields. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills.

04298 Social Sciences—Workplace Experience

Social Sciences—Workplace Experience courses provide work experience in a field related to the social sciences. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

04299 Social Sciences—Other

Humanities

04301 Humanities Survey

Humanities Survey courses provide an overview of major expressions of the cultural heritage of selected western and eastern civilizations. Content typically includes (but is not limited to) the examination of selected examples of art, music, literature, architecture, technology, philosophy, and religion of the cultures studied. These courses may also cover the languages and political institutions of these cultures.

04302 Humanities

Humanities courses examine and evoke student responses to human creative efforts and the world in particular historical periods and in particular cultures. Course content includes exploration, analysis, synthesis, and various responses to cultural traditions, including viewing, listening, speaking, reading, writing, performing, and creating. The courses may also examine relationships among painting, sculpture, architecture, and music.

04303 Issues of Western Humanities

Issues of Western Humanities courses introduce students to the study of the cultural heritage of human beings and provide an opportunity to explore our fundamental humanity. The content typically includes definitions of the humanities in relation to history, literature, religion, philosophy, art, music, and architecture and study of the cultures of Greece, Rome, and one or more settings in contemporary periods. Students are asked to analyze and clarify their sense of themselves; examine and clarify their responsibilities in relation to those of others; examine philosophies concerning

moral responsibility for the future; and examine philosophies about human mortality.

04304 IB Theory of Knowledge

Obligatory for every International Baccalaureate degree candidate, IB Theory of Knowledge courses aim to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the bases of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, and history, with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge.

04305 Social Studies

Social Studies courses enable students to study a group of related subjects addressing the elements and structures of human society that may include economics, geography, history, citizenship, and other social studies-related disciplines.

04306 Philosophy

Philosophy courses introduce students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content typically includes examination of the major philosophers and their writings.

04307 Particular Topics in Philosophy

These courses examine a particular topic in philosophy, such as aesthetic judgment, ethics, cosmology, or the philosophy of knowledge, rather than providing a more general overview of the subject.

04308 Modern Intellectual History

Modern Intellectual History courses provide a historical overview of modern intellectual movements, generally drawing from different disciplines such as political science, economics, and philosophy.

04309 IB Philosophy

IB Philosophy courses prepare students to take the International Baccalaureate Philosophy exams at either the Subsidiary or Higher levels. These courses challenge students to reflect upon and question the bases of knowledge and experience, to develop a personal mode of thought, to formulate rational arguments, and to use language to examine several conceptual themes in a thoughtful, philosophical manner.

04310 Particular Topics in Humanities

These courses cover particular topics in humanities such as the interrelationships among painting, sculpture, architecture, and music or the exploration of a particular time period rather than provide a general overview of the subject.

04347 Humanities—Independent Study

Humanities—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the field of humanities. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills.

04348 Humanities—Workplace Experience

Humanities—Workplace Experience courses provide work experience in a field related to humanities. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

04349 Humanities—Other

All Others

04994 Social Sciences and History—Proficiency Development

Social Sciences and History—Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations related to history and/or other social sciences.

04995 Social Sciences and History—Aide

Social Sciences and History—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

04997 Social Sciences and History—Independent Study

Social Sciences and History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within one of the fields of social studies. These courses provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills.

04998 Social Sciences and History—Workplace Experience

Social Sciences and History—Workplace Experience courses provide work experience in a field related to social sciences and/or history. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

04999 Social Sciences and History—Other

Dance

05001 Dance Technique

Dance Technique courses provide students with experience in one or several dance forms (i.e., modern, jazz, ballet, and tap). Initial classes are usually introductory in nature, while the more advanced classes concentrate on improving students' technique and may offer or require experience in choreography and dance evaluation.

05002 Dance Repertory

Dance Repertory courses provide the opportunity for students with prior dance experience to develop dance techniques in small groups; these classes require auditions and emphasize performance.

05003 Expressive Movement

Expressive Movement courses help develop students' ability to move expressively, without an emphasis on particular dance forms or on developing specific dance techniques.

05004 Dance Appreciation

Dance Appreciation courses expand students' knowledge of dance as an art form and help develop students' ability to evaluate dance performances. Learning the history of one or several dance forms may also be included as a course objective.

05005 Choreography

Choreography courses teach students how to arrange and direct dancers' movements. Course content includes application of the elements and principles of dance, study of historical and contemporary dance from a worldwide perspective, and instruction in critique. Course objectives include developing an appreciation of dance as a communicative art form and self-expression. Students sometimes gain performance experience.

05047 Dance—Independent Study

Dance—Independent Study courses, often conducted with instructors or professional dancers/choreographers as mentors, enable students to explore a particular dance form. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

05048 Dance—Workplace Experience

Dance—Workplace Experience courses provide students with work experience in a field related to dance. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

05049 Dance—Other

Drama

05051 Introduction to the Theater

Introduction to the Theater courses provide an overview of the art, conventions, and history of the theater. Although the courses sometimes include experiential exercises, they emphasize learning about the theater rather than performance. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature, major playwrights, the formation of theater as a cultural tradition, and critical appreciation of the art.

05052 Theatre Arts

Theatre arts courses focus on the study and performance of drama including musical theatre. These courses review a wide range of scripted materials, such as plays, screen plays, teleplays, readers' theatre scripts, dramatic criticism, creation of original dramatic works, and the role of dramatic arts in society. In addition, students will work collaboratively on performances.

05053 Drama—Comprehensive

Drama—Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

05054 Exploration in Drama

Exploration in Drama courses are designed to enhance students' understanding of life through the study and performance of dramatic works. They emphasize developing students' ability to express themselves and establish personal criteria for the critical evaluation of drama activities.

05055 Drama—Acting/Performance

Drama—Acting/Performance courses are intended to promote students' experience and skill development in one or more aspects of theatrical production, but they concentrate on acting and performance skills. Initial courses are usually introductory in nature, while the more advanced courses focus on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions.

05056 Drama—Stagecraft

Drama—Stagecraft courses are intended to help students develop experience and skill in one or more aspects of theatrical production, but concentrate on stagecraft (such as lighting, costuming, set construction, makeup, stage management, and so on). Initial courses are usually introductory in nature, while more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions and increasing their chances of

participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

05057 Directing

Directing courses are intended to improve students' skills in translating a script into a final production and are usually taken after other drama courses. Directing courses enable each student to create an artistic vision and develop a personal aesthetic, by expanding the student's exposure to different types of theatrical techniques and traditions and providing opportunities to direct the performances of others (either in scenes or in a full production).

05058 Playwriting

Playwriting courses are intended to improve students' skills in creating a script suitable for live production and are usually taken after other drama courses. Playwriting courses enable students to develop a personal voice, style, and aesthetic by expanding their exposure to various playwrights and different types of theatrical techniques and traditions. Students are expected to write original scenes, one-act plays, or full productions.

05059 History and Literature of the Theater

History and Literature of the Theater courses explore in depth the structure, elements, and style of dramatic compositions, and, as an extension, how the dramatic literature influenced theatrical production and acting styles throughout history. Some courses may focus more on the literature component than on the theater (with increased emphasis on critique and analysis), but most courses connect these subjects, exploring their interrelationships. Major contributors (playwrights, directors, and so on) and the architecture of the theater may also be included as topics of study.

05097 Drama—Independent Study

Drama—Independent Study courses, often conducted with instructors or artists as mentors, enable students to explore a particular theatrical form. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

05098 Drama—Workplace Experience

Drama—Workplace Experience courses provide work experience in a field related to drama and the theater. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

05099 Drama—Other

Music

05101 General Band

General Band courses develop students' technique for playing brass, woodwind, and percussion instruments and cover a variety of nonspecified band literature styles (concert, marching, orchestral, and modern styles).

05102 Concert Band

Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances.

05103 Marching Band

Courses in Marching Band are intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances.

05104 Orchestra

Orchestra courses are designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles.

05105 Contemporary Band

Contemporary Band courses help students develop their techniques for playing brass, woodwind, percussion, and string instruments, as well as guitars and keyboards, focusing primarily on contemporary stage band literature styles, such as traditional jazz, jazz improvisation, and rock.

05106 Instrumental Ensemble

Instrumental Ensemble courses are intended to develop students' technique for playing brass, woodwind, percussion, and/or string instruments in small ensemble groups. Instrumental Ensemble courses cover one or more instrumental ensemble or band literature styles.

05107 Piano

Piano courses introduce students to the fundamentals of music and basic keyboard techniques such as scales, chords, and melodic lines. These courses may also include more advanced keyboard techniques.

05108 Guitar

Guitar courses introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. These courses may also include more advanced guitar-playing techniques.

05109 Individual Technique—Instrumental Music

Individual Technique—Instrumental Music courses provide individuals with instruction in instrumental techniques. These courses may be conducted on either an individual or small group basis.

05110 Chorus

Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.

05111 Vocal Ensembles

Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize one or several ensemble literature styles.

05112 Individual Technique—Vocal Music

Individual Technique—Vocal Music courses provide instruction in and encourage the development of vocal techniques (including aural development) other than the ability to sing in groups. These courses may be conducted on either an individual or small group basis.

05113 Music Theory

Music Theory courses provide students with an understanding of the fundamentals of music and include one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading.

05114 AP Music Theory

AP Music Theory courses are designed to be the equivalent of a first-year music theory college course as specified by the College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills, AP Music Theory courses extend and build upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways they interact in a composition. Musical notation, analysis, composition, and aural skills are important components of the course.

05115 IB Music

IB Music courses prepare students to take the International Baccalaureate Music exam at either the Subsidiary or Higher level. IB Music courses develop students' knowledge and understanding of music through training in musical skills (listening, performing, and composing); exposure to music theory; and formulation of an historic and global awareness of musical forms and styles. Historical, theoretical, and practical studies are suggested by the IB Curriculum Board.

05116 Music History/Appreciation

Music History/Appreciation courses survey different musical styles and periods with the

intent of increasing students' enjoyment of musical styles and/or developing their artistic or technical judgment. Music History/Appreciation courses may also focus on developing an understanding of a particular style or period.

05117 Music History

Similar in nature to Music History/Appreciation courses, Music History courses focus specifically on the history of music.

05118 Music Appreciation

Similar in nature to Music History/Appreciation courses, Music Appreciation courses focus specifically on students' appreciation of music. They are designed to help students explore the world of music and to develop an understanding of the importance of music in their lives.

05119 Composition/Songwriting

Composition/Songwriting courses prepare students to express themselves thorough creating music. These courses may use conventional or nonconventional notation and may include harmonization in addition to melody writing. Along with musical instruments, students may also use computers for creating music.

05147 Music—Independent Study

Music—Independent Study courses, often conducted with instructors, professional musicians, or voice coaches as mentors, enable students to explore music-related topics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

05148 Music—Workplace Experience

Music—Workplace Experience courses provide students with work experience in a field related to music. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

05149 Music—Other

Visual Arts

05151 Art Appreciation

Art Appreciation courses introduce students to the many forms of art and help them form an aesthetic framework through which they can judge and critique art of various ages and cultures. These courses also explore the place and significance of art in our society.

05152 Art History

Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes.

05153 AP Art—History of Art

Designed to parallel college-level Art History courses, AP Art—History of Art courses provide the opportunity for students to critically examine architecture, sculpture, painting, and other art forms within their historical and cultural contexts. In covering the art of several centuries (not necessarily in chronological order), students learn to identify different styles, techniques, and influences and to formulate and articulate their reactions to various kinds of artwork.

05154 Creative Art—Comprehensive

Creative Art—Comprehensive courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

05155 Creative Art—Drawing/Painting

Creative Art—Drawing/Painting courses cover the same topics as Creative Art—Comprehensive courses, but focus on drawing and painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium.

05156 Creative Art—Drawing

Creative Art—Drawing courses cover the same topics as Creative Art—Drawing/Painting, but focus on drawing. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, and so on), but some courses may focus on only one medium.

05157 Creative Art—Painting

Creative Art—Painting courses cover the same topics as Creative Art—Drawing/Painting, but focus on painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium.

05158 Creative Art—Sculpture

Creative Art—Sculpture courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on), but some courses may focus on

only one medium.

05159 Ceramics/Pottery

Ceramics/Pottery courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects.

05160 Printmaking/Graphics

Printmaking/Graphics courses cover the same topics as Creative Art—Comprehensive courses, but focus on design principles, printmaking, and graphic design.

05161 Printmaking

Printmaking courses introduce students to a variety of printmaking techniques using processes such as relief printing (monoprint, collograph block); intaglio (etching and engraving); and perigraphy (silkscreen films, stencils, block-out). These courses emphasize design elements and principles and introduce art criticism as applied to fine art prints. Lessons may also include the historical development of printmaking in Western and non-Western cultures.

05162 Graphic Design

Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computer's influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles.

05163 Advertising Design

Advertising Design courses relate and apply creative expression and design principles to the field of advertising and commercial art. The courses offer practical experiences in generating original ideas, executing layouts, and preparing artwork for reproduction. Advertising Design courses may also provide a historical and contemporary view of art as students learn to critique work.

05164 Textiles

Textiles courses teach the same lessons as Creative Art—Comprehensive courses, but do so with a focus on textiles. These courses may survey a wide range of crafts and art forms using textiles, or they may focus on only one type of art form; possibilities include weaving, macramé, quilting, batik, stitchery, and so on.

05165 Crafts

Crafts courses teach the same lessons as Creative Art—Comprehensive courses, but do so with a focus on crafts. These courses may survey a wide range of crafts, or they may focus on only one type of craft; possibilities include calligraphy, quilting, silk-screening, cake-decorating, tole-

painting, mask-making, knitting, crocheting, paper-making, and so on.

05166 Jewelry

Jewelry courses apply art and design principles to the creation of jewelry. Typically, students explore using various media, such as ceramic, papier-mache, glass, plastic, copper-enameled, brass, and silver. Course topics include exposure to jewelry of diverse world cultures and the history of jewelry design. Some Jewelry courses may concentrate on metalwork processes such as brazing, soldering, casting, welding, riveting, and finishing as they relate to the creation of jewelry.

05167 Photography

Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles.

05168 Film/Videotape

Film/Videotape courses expose students to the materials, processes, and artistic techniques involved in film, television, or videotape. Students learn about the operation of a camera, lighting techniques, camera angles, depth of field, composition, storyboarding, sound capture, and editing techniques. Course topics may also include production values and various styles of filmmaking (documentary, storytelling, news magazines, animation, and so on). As students advance, the instruction becomes more refined, and students are encouraged to develop their own artistic style. Students may also study major filmmakers, cinematographers, and their films and learn about film, television, and video and their relationships to drama and theater.

05169 Computer-Assisted Art

Computer-Assisted Art courses enable students to discover and explore how the computer can be used to create or to assist in producing various forms of artwork. Computer-Assisted Art courses provide the opportunity to become more adept in both the art form and in the use of the computer.

05170 Art Portfolio

Art Portfolio courses offer students the opportunity to create a professional body of work that reflects their personal style and talent. Students are often encouraged to display their work publicly.

05171 AP Studio Art—General Portfolio

Designed for students with a serious interest in art, AP Studio Art—General Portfolio courses enable students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the courses typically emphasize quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of the student's art. AP Studio Art—General Portfolio evaluations require submission of artwork exemplifying talent in drawing, color organization, design, and sculpture.

05172 AP Studio Art—Drawing Portfolio

Designed for students with a serious interest in art, AP Studio Art—Drawing Portfolio courses enable students to refine their skill and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the courses typically emphasize quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of drawing. In these courses, students explore representation, abstraction, and experimentation with a variety of drawing materials.

05173 IB Art/Design

IB Art/Design courses prepare students to take the International Baccalaureate Art/Design exams at either the Subsidiary or Higher level. IB Art/Design courses help develop students' aesthetic and creative faculties, offer training in awareness and criticism of art, and enable students to create quality works of art of their own. Students perform both studio and research work; the research component is designed to investigate particular topics or concepts of interest in further detail.

05197 Visual Art—Independent Study

Visual Art—Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to explore a particular art form or topic. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills

05198 Visual Arts—Workplace Experience

Visual Arts—Workplace Experience courses provide students with work experience in a field related to visual arts. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

05199 Visual Arts—Other

All Others

05201 Integrated Fine Arts

Integrated Fine Arts courses explore self-expression across the fine arts: any subset or all of the visual arts, music, drama, theater, and literature may be included in the curriculum for these courses. Students both study and critique the works of others and participate in or produce art themselves. These courses often include comparative study of various art forms over time (i.e., the interrelationship of literature, music, and the performing arts of a particular time period and culture).

05995 Fine and Performing Art—Aide

Fine and Performing Arts—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

05997 Fine and Performing Art—Independent Study

Fine and Performing Art—Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to explore a particular art form. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic of in greater detail, or to develop more advanced skills

05998 Fine and Performing Art—Workplace Experience

Fine and Performing Art—Workplace Experience courses provide students with work experience in a field related to the fine and performing arts. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

05999 Fine and Performing Art—Other

Subject Area 6: Foreign Language and Literature (secondary)

Romance Languages

06101 Spanish I

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

06102 Spanish II

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

06103 Spanish III

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06104 Spanish IV

Spanish IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient

vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06105 Spanish V

Spanish V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06106 Spanish for Native Speakers

Spanish for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Spanish for Native Speakers courses often move faster than do regular Spanish foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06107 Spanish Field Experience

Spanish Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Spanish is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06108 Spanish Conversation and Culture

Spanish Conversation and Culture courses provide students with an introduction to the Spanish language and the culture(s) of Spanish-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06109 Spanish Literature

Spanish Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Spanish.

06110 IB Language A (non-English)—Spanish

IB Language A (non-English)—Spanish courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06111 IB Language B—Spanish

IB Language B—Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second"

language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06112 AP Spanish Language

Designed by the College Board to parallel third-year college-level courses in Spanish Composition and Conversation, AP Spanish Language courses build upon prior knowledge and develop students' ability to understand others and express themselves (in Spanish) accurately, coherently, and fluently in both formal and informal situations. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, and so on.

06113 AP Spanish Literature

Designed by the College Board to parallel college-level Introduction to Hispanic Literature courses, AP Spanish Literature courses cover representative works from the literatures of Spain and Spanish America, encompassing all genres. The courses build students' Spanish language proficiency so that they are able to read and understand moderately difficult prose and express critical opinions and literary analyses in oral and written Spanish (an ability equivalent to having completed a third-year college-level Spanish Language course).

06121 French I

Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.

06122 French II

French II courses build upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French-speaking people to deepen their understanding of the culture(s).

06123 French III

French III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06124 French IV

French IV courses focus on advancing students' skills and abilities to read, write, speak,

and understand the French language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06125 French V

French V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06126 French for Native Speakers

French for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), French for Native Speakers courses often move faster than do regular French foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06127 French Field Experience

French Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where French is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06128 French Conversation and Culture

French Conversation and Culture courses provide students with an introduction to the French language and the culture(s) of French-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06129 French Literature

French Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in French.

06130 IB Language A (non-English)—French

IB Language A (non-English)—French courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06131 IB Language B—French

IB Language B—French courses prepare students to take the International Baccalaureate

Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06132 AP French Language

Designed to parallel third-year college-level courses in French Composition and Conversation, AP French Language courses build upon prior knowledge and develop students' ability to understand others and express themselves (in French) accurately, coherently, and fluently. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, and so on.

06133 AP French Literature

Designed to parallel college-level Introduction to French Literature courses (offered at a third-year level), AP French Literature courses cover representative works of French literature and build students' French language proficiency so that they are able to read and understand moderately difficult prose and express critical opinions and analyses in correct oral and written French. The study of literary components (such as character, theme, structure, imagery, style, tone, and so on) is an important focus of AP French Literature.

06141 Italian I

Designed to introduce students to Italian language and culture, Italian I emphasizes basic grammar and syntax, simple vocabulary and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Italian culture is introduced through the art, literature, customs, and history of the Italian-speaking people.

06142 Italian II

Italian II courses build upon skills developed in Italian I, extending students' ability to understand and express themselves in Italian and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Italian-speaking people to deepen their understanding of the culture(s).

06143 Italian III

Italian III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06144 Italian IV

Italian IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Italian language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06145 Italian V

Italian V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06146 Italian for Native Speakers

Italian for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Italian for Native Speakers courses often move faster than do regular Italian foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06147 Italian Field Experience

Italian Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Italian is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06148 Italian Conversation and Culture

Italian Conversation and Culture courses provide students with an introduction to the Italian language and the culture(s) of Italian-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06149 Italian Literature

Italian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Italian.

06150 IB Language A (non-English)—Italian

IB Language A (non-English)—Italian courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06151 IB Language B—Italian

IB Language B—Italian courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06161 Portuguese I

Designed to introduce students to Portuguese language and culture, Portuguese I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Portuguese culture is introduced through the art, literature, customs, and history of the Portuguese-speaking people.

06162 Portuguese II

Portuguese II courses build upon skills developed in Portuguese I, extending students' ability to understand and express themselves in Portuguese and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Portuguese-speaking people to deepen their understanding of the culture(s).

06163 Portuguese III

Portuguese III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06164 Portuguese IV

Portuguese IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Portuguese language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06165 Portuguese V

Portuguese V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06166 Portuguese for Native Speakers

Portuguese for Native Speakers courses support, reinforce, and expand students' knowledge

of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Portuguese for Native Speakers courses often move faster than do regular Portuguese foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06167 Portuguese Field Experience

Portuguese Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Portuguese is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06168 Portuguese Conversation and Culture

Portuguese Conversation and Culture courses provide students with an introduction to the Portuguese language and the culture(s) of Portuguese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06169 Portuguese Literature

Portuguese Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Portuguese.

06170 IB Language A (non-English)—Portuguese

IB Language A (non-English)—Portuguese courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06171 IB Language B—Portuguese

IB Language B—Portuguese courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06181 Romance/Italic Language I

Designed to introduce students to a Romance/Italic language not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole) and culture, Romance/Italic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06182 Romance/Italic Language II

Romance/Italic Language II courses build upon skills developed in Romance/Italic Language I, extending students' ability to understand and express themselves in a Romance/Italic language not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06183 Romance/Italic Language III

Romance/Italic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06184 Romance/Italic Language IV

Romance/Italic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Romance/Italic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06185 Romance/Italic Language V

Romance/Italic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06186 Romance/Italic Language for Native Speakers

Romance/Italic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Romance/Italic Language for Native Speakers courses often move faster than do regular Romance/Italic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06187 Romance/Italic Language Field Experience

Romance/Italic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Romance/Italic language (e.g., Catalan, Sardinian, or Haitian Creole) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06188 Romance/Italic Language Conversation and Culture

Romance/Italic Language Conversation and Culture courses provide students with an introduction to a Romance/Italic language not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06189 Romance/Italic Literature

Romance/Italic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Romance/Italic language not otherwise described (e.g., Catalan, Sardinian, or Haitian Creole).

06190 IB Language A (non-English)—Romance/Italic Language

IB Language A (non-English)—Romance/Italic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06191 IB Language B—Romance/Italic Language

IB Language B—Romance/Italic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06199 Romance/Italic Language—Other

Germanic Languages

06201 German I

Designed to introduce students to German language and culture, German I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. German culture is introduced through the art, literature, customs, and history of the German-speaking people.

06202 German II

German II courses build upon skills developed in German I, extending students' ability to understand and express themselves in German and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of

German-speaking people to deepen their understanding of the culture(s).

06203 German III

German III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06204 German IV

German IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the German language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06205 German V

German V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06206 German for Native Speakers

German for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), German for Native Speakers courses often move faster than do regular German foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06207 German Field Experience

German Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where German is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06208 German Conversation and Culture

German Conversation and Culture courses provide students with an introduction to the German language and the culture(s) of German-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06209 German Literature

German Literature courses place an emphasis on reading, understanding, and reacting in

writing to literature written in German.

06210 IB Language A (non-English)—German

IB Language A (non-English)—German courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06211 IB Language B—German

IB Language B—German courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06212 AP German Language

Designed to parallel third-year college-level courses in German Language, AP German Language courses build upon prior knowledge and develop students' ability to understand spoken German in various conversational situations, to express themselves (in German) accurately and fluently, and to have a command of the structure of the German language. Students will develop a vocabulary large enough to understand literature, magazine/newspaper articles, films and television productions, and so on.

06241 Germanic Language I

Designed to introduce students to a Germanic language not otherwise described (e.g., Dutch or Flemish) and culture, Germanic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06242 Germanic Language II

Germanic Language II courses build upon skills developed in Germanic Language I, extending students' ability to understand and express themselves in a Germanic language not otherwise described (e.g., Dutch or Flemish) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06243 Germanic Language III

Germanic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for

students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06244 Germanic Language IV

Germanic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Germanic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06245 Germanic Language V

Germanic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06246 Germanic Language for Native Speakers

Germanic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Dutch or Flemish). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Germanic Language for Native Speakers courses often move faster than do regular Germanic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06247 Germanic Language Field Experience

Germanic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Germanic language (e.g., Dutch or Flemish) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06248 Germanic Language Conversation and Culture

Germanic Language Conversation and Culture courses provide students with an introduction to a Germanic language not otherwise described (e.g., Dutch or Flemish) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06249 Germanic Literature

Germanic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Germanic language not otherwise described (e.g., Dutch or Flemish).

06250 IB Language A (non-English)—Germanic Language

IB Language A (non-English)—Germanic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06251 IB Language B—Germanic Language

IB Language B—Germanic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06259 Germanic Language—Other

Celtic Languages

06261 Celtic Language I

Designed to introduce students to a Celtic language (e.g., Gaelic or Welsh) and culture, Celtic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Celtic culture is introduced through the art, literature, customs, and history of Celtic people.

06262 Celtic Language II

Celtic Language II courses build upon skills developed in Celtic Language I, extending students' ability to understand and express themselves in a Celtic language (e.g., Gaelic or Welsh) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Celtic people to deepen their understanding of the culture(s).

06263 Celtic Language III

Celtic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06264 Celtic Language IV

Celtic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Celtic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06265 Celtic Language V

Celtic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06266 Celtic Language for Native Speakers

Celtic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Celtic Language for Native Speakers courses often move faster than do regular Celtic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06267 Celtic Language Field Experience

Celtic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Celtic language (e.g., Gaelic or Welsh) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06268 Celtic Language Conversation and Culture

Celtic Language Conversation and Culture courses provide students with an introduction to a Celtic language (e.g., Gaelic or Welsh) and the culture(s) of Celtic people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06269 Celtic Literature

Celtic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Celtic language (e.g., Gaelic or Welsh).

06270 IB Language A (non-English)—Celtic Language

IB Language A (non-English)—Celtic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06271 IB Language B—Celtic Language

IB Language B—Celtic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06279 Celtic Language—Other

Greek Language

06281 Greek I

Designed to introduce students to Greek language and culture, Greek I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Greek culture is introduced through the art, literature, customs, and history of the Greek-speaking people.

06282 Greek II

Greek II courses build upon skills developed in Greek I, extending students' ability to understand and express themselves in Greek and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Greek-speaking people to deepen their understanding of the culture(s).

06283 Greek III

Greek III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06284 Greek IV

Greek IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Greek language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06285 Greek V

Greek V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs.

Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06286 Greek for Native Speakers

Greek for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Greek for Native Speakers courses often move faster than do regular Greek foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06287 Greek Field Experience

Greek Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Greek is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06288 Greek Conversation and Culture

Greek Conversation and Culture courses provide students with an introduction to the Greek language and the culture(s) of Greek-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06289 Greek Literature

Greek Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Greek.

06290 IB Language A (non-English)—Greek

IB Language A (non-English)—Greek courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06291 IB Language B—Greek

IB Language B—Greek courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06299 Greek—Other

Classical Languages

06301 Latin I

Latin I courses expose students to the Latin language and culture, emphasizing basic grammar and syntax, simple vocabulary, and the influence of Latin on current English words. Students will be able to read and write in Latin on a basic level.

06302 Latin II

Latin II courses enable students to expand upon what they have learned in Latin I, increasing their skills and depth of knowledge through the practice of structures, forms, and vocabulary. Reading materials reflect Roman life and culture.

06303 Latin III

Latin III courses build students' knowledge of the Latin language and culture, typically focusing on having students express increasingly complex concepts in writing and comprehend and react to original Latin texts.

06304 Latin IV

Latin IV courses build students' knowledge of the Latin language and culture, typically focusing on having students express increasingly complex concepts in writing and comprehend and react to original Latin texts.

06305 Latin V

Latin V courses build students' knowledge of the Latin language and culture, typically focusing on having students express increasingly complex concepts in writing and comprehend and react to original Latin texts.

06311 IB Classical Languages—Latin

IB Classical Languages—Latin courses seek to strike a balance between the study of the classic Latin language itself (structure, meaning, and formulation) and the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Latin text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects.

06313 AP Latin (Virgil, Catullus, and Horace)

Designed to parallel advanced college-level courses in Latin studies, AP Latin courses build upon and increase knowledge of Latin, enabling students to read the language with comprehension, to accurately translate Latin into English, and to appreciate the stylistic literary techniques used by the authors. AP Latin courses also include study of the political, social, and cultural background of the literary works and their authors, as well as their influence on later literature.

06321 Classical Greek I

Classical Greek I courses expose students to classic Greek language and culture, emphasizing basic grammar, syntax, and simple vocabulary. Students will be able to read and write in Latin on a basic level.

06322 Classical Greek II

Classical Greek II courses enable students to expand upon what they have learned in Classical Greek I, increasing their skills and depth of knowledge through the practice of structures, forms, and vocabulary. Reading materials reflect Greek life and culture.

06323 Classical Greek III

Classical Greek III courses build students' knowledge of the classic Greek language and culture, typically focusing on having students express increasingly complex concepts in writing and comprehend and react to original Greek texts.

06324 Classical Greek IV

Classical Greek IV courses build students' knowledge of the classic Greek language and culture, typically focusing on having students express increasingly complex concepts in writing and comprehend and react to original Greek texts.

06325 Classical Greek V

Classical Greek V courses build students' knowledge of the classic Greek language and culture, typically focusing on having students express increasingly complex concepts in writing and comprehend and react to original Greek texts.

06331 IB Classical Languages—Greek

IB Classical Languages—Greek courses seek to strike a balance between the study of the classic Greek language itself (structure, meaning, and formulation) and the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Greek text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects.

06359 Classical Languages—Other

East Asian Languages

06401 Chinese I

Designed to introduce students to Chinese language and culture, Chinese I courses emphasize basic syntax, simple vocabulary, written characters, and spoken tones so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Chinese culture is introduced through the art, literature, customs, and history of Chinese-speaking people.

06402 Chinese II

Chinese II courses build upon skills developed in Chinese I, extending students' ability to understand and express themselves in Chinese and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and phrasing, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Chinese-speaking people to deepen their understanding of the culture(s).

06403 Chinese III

Chinese III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06404 Chinese IV

Chinese IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Chinese language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of language rules and a strong vocabulary.

06405 Chinese V

Chinese V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06406 Chinese for Native Speakers

Chinese for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Chinese for Native Speakers courses often move faster than do regular Chinese foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06407 Chinese Field Experience

Chinese Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Chinese is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06408 Chinese Conversation and Culture

Chinese Conversation and Culture courses provide students with an introduction to the

Chinese language and the culture(s) of Chinese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06409 Chinese Literature

Chinese Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Chinese.

06410 IB Language A (non-English)—Chinese

IB Language A (non-English)—Chinese courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06411 IB Language B—Chinese

IB Language B—Chinese courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06421 Japanese I

Designed to introduce students to Japanese language and culture, Japanese I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Japanese culture is introduced through the art, literature, customs, and history of the Japanese-speaking people.

06422 Japanese II

Japanese II courses build upon skills developed in Japanese I, extending students' ability to understand and express themselves in Japanese and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Japanese-speaking people to deepen their understanding of the culture(s).

06423 Japanese III

Japanese III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06424 Japanese IV

Japanese IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Japanese language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06425 Japanese V

Japanese V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06426 Japanese for Native Speakers

Japanese for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Japanese for Native Speakers courses often move faster than do regular Japanese foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06427 Japanese Field Experience

Japanese Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Japanese is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06428 Japanese Conversation and Culture

Japanese Conversation and Culture courses provide an introduction to the Japanese language and the culture(s) of Japanese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06429 Japanese Literature

Japanese Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Japanese.

06430 IB Language A (non-English)—Japanese

IB Language A (non-English)—Japanese courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06431 IB Language B—Japanese

IB Language B—Japanese courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06441 Korean I

Designed to introduce students to Korean language and culture, Korean I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Korean culture is introduced through the art, literature, customs, and history of the Korean-speaking people.

06442 Korean II

Korean II courses build upon skills developed in Korean I, extending students' ability to understand and express themselves in Korean and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Korean-speaking people to deepen their understanding of the culture(s).

06443 Korean III

Korean III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06444 Korean IV

Korean IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Korean language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06445 Korean V

Korean V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06446 Korean for Native Speakers

Korean for Native Speakers courses support, reinforce, and expand students' knowledge of

their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Korean for Native Speakers courses often move faster than do regular Korean foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06447 Korean Field Experience

Korean Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Korean is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06448 Korean Conversation and Culture

Korean Conversation and Culture courses provide students with an introduction to the Korean language and the culture(s) of Korean-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06449 Korean Literature

Korean Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Korean.

06450 IB Language A (non-English)—Korean

IB Language A (non-English)—Korean courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06451 IB Language B—Korean

IB Language B—Korean courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06481 East Asian Language I

Designed to introduce students to an East Asian language not otherwise described (e.g., Tibetan and Mongolian) and culture, East Asian Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06482 East Asian Language II

East Asian Language II courses build upon skills developed in East Asian Language I, extending students' ability to understand and express themselves in an East Asian language not otherwise described (e.g., Tibetan and Mongolian) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06483 East Asian Language III

East Asian Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06484 East Asian Language IV

East Asian Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the East Asian Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06485 East Asian Language V

East Asian Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06486 East Asian Language for Native Speakers

East Asian Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Tibetan and Mongolian). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), East Asian Language for Native Speakers courses often move faster than do regular East Asian Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06487 East Asian Language Field Experience

East Asian Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where an East Asian language (e.g., Tibetan and Mongolian) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06488 East Asian Language Conversation and Culture

East Asian Language Conversation and Culture courses provide students with an introduction to an East Asian language not otherwise described (e.g., Tibetan and Mongolian) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language.

06489 East Asian Literature

East Asian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in an East Asian language not otherwise described (e.g., Tibetan and Mongolian).

06490 IB Language A (non-English)—East Asian Language

IB Language A (non-English)—East Asian Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06491 IB Language B—East Asian Language

IB Language B—East Asian Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06499 East Asian Language—Other

Southeast Asian Languages

06501 Vietnamese I

Designed to introduce students to Vietnamese language and culture, Vietnamese I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Vietnamese culture is introduced through the art, literature, customs, and history of the Vietnamese-speaking people.

06502 Vietnamese II

Vietnamese II courses build upon skills developed in Vietnamese I, extending students' ability to understand and express themselves in Vietnamese and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Vietnamese-speaking people to deepen their understanding of the culture(s).

06503 Vietnamese III

Vietnamese III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06504 Vietnamese IV

Vietnamese IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Vietnamese language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06505 Vietnamese V

Vietnamese V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06506 Vietnamese for Native Speakers

Vietnamese for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Vietnamese for Native Speakers courses often move faster than do regular Vietnamese foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06507 Vietnamese Field Experience

Vietnamese Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Vietnamese is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06508 Vietnamese Conversation and Culture

Vietnamese Conversation and Culture courses provide students with an introduction to the Vietnamese language and the culture(s) of Vietnamese-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06509 Vietnamese Literature

Vietnamese Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Vietnamese.

06510 IB Language A (non-English)—Vietnamese

IB Language A (non-English)—Vietnamese courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06511 IB Language B—Vietnamese

IB Language B—Vietnamese courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06521 Filipino I

Designed to introduce students to Filipino language and culture, Filipino I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Filipino culture is introduced through the art, literature, customs, and history of the people of the Philippines.

06522 Filipino II

Filipino II courses build upon skills developed in Filipino I, extending students' ability to understand and express themselves in Filipino and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of the Philippines to deepen their understanding of the culture(s).

06523 Filipino III

Filipino III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06524 Filipino IV

Filipino IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Filipino language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06525 Filipino V

Filipino V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06526 Filipino for Native Speakers

Filipino for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Filipino for Native Speakers courses often move faster than do regular Filipino foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06527 Filipino Field Experience

Filipino Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Filipino is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06528 Filipino Conversation and Culture

Filipino Conversation and Culture courses provide students with an introduction to the Filipino language and the culture(s) of the people of the Philippines, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06529 Filipino Literature

Filipino Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Filipino.

06530 IB Language A (non-English)—Filipino

IB Language A (non-English)—Filipino courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06531 IB Language B—Filipino

IB Language B—Filipino courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06581 Southeast Asian Language I

Designed to introduce students to a Southeast Asian language not otherwise described (e.g., Malay, Thai, and Lao) and culture, Southeast Asian Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06582 Southeast Asian Language II

Southeast Asian Language II courses build upon skills developed in Southeast Asian Language I, extending students' ability to understand and express themselves in a Southeast Asian language not otherwise described (e.g., Malay, Thai, and Lao) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06583 Southeast Asian Language III

Southeast Asian Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06584 Southeast Asian Language IV

Southeast Asian Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Southeast Asian Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06585 Southeast Asian Language V

Southeast Asian Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06586 Southeast Asian Language for Native Speakers

Southeast Asian Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Malay, Thai, and Lao). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Southeast Asian Language for Native Speakers courses often move faster than do regular Southeast Asian Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06587 Southeast Asian Language Field Experience

Southeast Asian Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Southeast Asian language (e.g., Malay, Thai, and Lao) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06588 Southeast Asian Language Conversation and Culture

Southeast Asian Language Conversation and Culture courses provide students with an introduction to a Southeast Asian language not otherwise described (e.g., Malay, Thai, and Lao) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language.

06589 Southeast Asian Literature

Southeast Asian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Southeast Asian language not otherwise described (e.g., Malay, Thai, and Lao).

06590 IB Language A (non-English)—Southeast Asian Language

IB Language A (non-English)—Southeast Asian Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06591 IB Language B—Southeast Asian Language

IB Language B—Southeast Asian Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06599 Southeast Asian/Austral-Asian Languages—Other

Balto-Slavic Languages

06601 Russian I

Designed to introduce students to Russian language and culture, Russian I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Russian culture is introduced through the art, literature, customs, and

history of the Russian-speaking people.

06602 Russian II

Russian II courses build upon skills developed in Russian I, extending students' ability to understand and express themselves in Russian and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Russian-speaking people to deepen their understanding of the culture(s).

06603 Russian III

Russian III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06604 Russian IV

Russian IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Russian language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06605 Russian V

Russian V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06606 Russian for Native Speakers

Russian for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Russian for Native Speakers courses often move faster than do regular Russian foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06607 Russian Field Experience

Russian Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Russian is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06608 Russian Conversation and Culture

Russian Conversation and Culture courses provide students with an introduction to the Russian language and the culture(s) of Russian-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06609 Russian Literature

Russian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Russian.

06610 IB Language A (non-English)—Russian

IB Language A (non-English)—Russian courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06611 IB Language B—Russian

IB Language B—Russian courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06641 Balto-Slavic Language I

Designed to introduce students to a Balto-Slavic language not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian) and culture, Balto-Slavic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06642 Balto-Slavic Language II

Balto-Slavic Language II courses build upon skills developed in Balto-Slavic Language I, extending students' ability to understand and express themselves in a Balto-Slavic language not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06643 Balto-Slavic Language III

Balto-Slavic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for

students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06644 Balto-Slavic Language IV

Balto-Slavic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Balto-Slavic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06645 Balto-Slavic Language V

Balto-Slavic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06646 Balto-Slavic Language for Native Speakers

Balto-Slavic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Balto-Slavic Language for Native Speakers courses often move faster than do regular Balto-Slavic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06647 Balto-Slavic Language Field Experience

Balto-Slavic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Balto-Slavic language (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06648 Balto-Slavic Language Conversation and Culture

Balto-Slavic Language Conversation and Culture courses provide students with an introduction to a Balto-Slavic language not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06649 Balto-Slavic Literature

Balto-Slavic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Balto-Slavic language not otherwise described (e.g., Polish, Armenian, Serbo-Croatian, and Lithuanian).

06650 IB Language A (non-English)—Balto-Slavic Language

IB Language A (non-English)—Balto-Slavic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06651 IB Language B—Balto-Slavic Language

IB Language B—Balto-Slavic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06659 Balto-Slavic Language—Other

Turkic/Ural-Altaic Languages

06661 Turkic/Ural-Altaic Language I

Designed to introduce students to a Turkic/Ural-Altaic language (e.g., Turkish, Finnish, and Hungarian) and culture, Turkic/Ural-Altaic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06662 Turkic/Ural-Altaic Language II

Turkic/Ural-Altaic Language II courses build upon skills developed in Turkic/Ural-Altaic Language I, extending students' ability to understand and express themselves in a Turkic/Ural-Altaic language (e.g., Turkish, Finnish, and Hungarian) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06663 Turkic/Ural-Altaic Language III

Turkic/Ural-Altaic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06664 Turkic/Ural-Altaic Language IV

Turkic/Ural-Altaic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Turkic/Ural-Altaic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06665 Turkic/Ural-Altaic Language V

Turkic/Ural-Altaic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06666 Turkic/Ural-Altaic Language for Native Speakers

Turkic/Ural-Altaic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue (e.g., Turkish, Finnish, and Hungarian). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Turkic/Ural-Altaic Language for Native Speakers courses often move faster than do regular Turkic/Ural-Altaic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06667 Turkic/Ural-Altaic Language Field Experience

Turkic/Ural-Altaic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Turkic/Ural-Altaic language (e.g., Turkish, Finnish, and Hungarian) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06668 Turkic/Ural-Altaic Language Conversation and Culture

Turkic/Ural-Altaic Language Conversation and Culture courses provide students with an introduction to a Turkic/Ural-Altaic language (e.g., Turkish, Finnish, and Hungarian) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language.

06669 Turkic/Ural-Altaic Literature

Turkic/Ural-Altaic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Turkic/Ural-Altaic language (e.g., Turkish, Finnish, and Hungarian).

06670 IB Language A (non-English)—Turkic/Ural-Altaic Language

IB Language A (non-English)—Turkic/Ural-Altaic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is

designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06671 IB Language B—Turkic/Ural-Altaic Language

IB Language B—Turkic/Ural-Altaic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06679 Turkic/Ural-Altaic Language—Other

Iranian/Persian Languages

06681 Iranian/Persian Language I

Designed to introduce students to an Iranian/Persian language (e.g., Persian, Kurdish, and Pashto) and culture, Iranian/Persian Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06682 Iranian/Persian Language II

Iranian/Persian Language II courses build upon skills developed in Iranian/Persian Language I, extending students' ability to understand and express themselves in a Iranian/Persian language (e.g., Persian, Kurdish, and Pashto) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06683 Iranian/Persian Language III

Iranian/Persian Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06684 Iranian/Persian Language IV

Iranian/Persian Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Iranian/Persian Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06685 Iranian/Persian Language V

Iranian/Persian Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06686 Iranian/Persian Language for Native Speakers

Iranian/Persian Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue (e.g., Persian, Kurdish, and Pashto). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Iranian/Persian Language for Native Speakers courses often move faster than do regular Iranian/Persian Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06687 Iranian/Persian Language Field Experience

Iranian/Persian Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where an Iranian/Persian language (e.g., Persian, Kurdish, and Pashto) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06688 Iranian/Persian Language Conversation and Culture

Iranian/Persian Language Conversation and Culture courses provide students with an introduction to an Iranian/Persian language (e.g., Persian, Kurdish, and Pashto) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06689 Iranian/Persian Literature

Iranian/Persian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in an Iranian/Persian language (e.g., Persian, Kurdish, and Pashto).

06690 IB Language A (non-English)—Iranian/Persian Language

IB Language A (non-English)—Iranian/Persian Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06691 IB Language B—Iranian/Persian Language

IB Language B—Iranian/Persian Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication

(usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06699 Iranian/Persian Language—Other

Semitic and Near/Middle Eastern Languages

06701 Hebrew I

Designed to introduce students to Hebrew language and culture, Hebrew I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Hebrew culture is introduced through the art, literature, customs, and history of the Hebrew-speaking people.

06702 Hebrew II

Hebrew II courses build upon skills developed in Hebrew I, extending students' ability to understand and express themselves in Hebrew and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Hebrew-speaking people to deepen their understanding of the culture(s).

06703 Hebrew III

Hebrew III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06704 Hebrew IV

Hebrew IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Hebrew language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06705 Hebrew V

Hebrew V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06706 Hebrew for Native Speakers

Hebrew for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Hebrew for Native Speakers courses often move faster than do regular Hebrew foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06707 Hebrew Field Experience

Hebrew Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Hebrew is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06708 Hebrew Conversation and Culture

Hebrew Conversation and Culture courses provide students with an introduction to the Hebrew language and the culture(s) of Hebrew-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06709 Hebrew Literature

Hebrew Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Hebrew.

06710 IB Language A (non-English)—Hebrew

IB Language A (non-English)—Hebrew courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06711 IB Language B—Hebrew

IB Language B—Hebrew courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06712 IB Classical Languages—Hebrew

IB Classical Languages—Hebrew courses seek to strike a balance between the study of the language itself (structure, meaning, and formulation) and the study of the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Hebrew text; relate literature to its historical or

social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects.

06721 Arabic I

Designed to introduce students to Arabic language and culture, Arabic I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Arabic culture is introduced through the art, literature, customs, and history of the Arabic-speaking people.

06722 Arabic II

Arabic II courses build upon skills developed in Arabic I, extending students' ability to understand and express themselves in Arabic and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Arabic-speaking people to deepen their understanding of the culture(s).

06723 Arabic III

Arabic III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06724 Arabic IV

Arabic IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Arabic language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06725 Arabic V

Arabic V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06726 Arabic for Native Speakers

Arabic for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Arabic for Native Speakers courses often move faster than do regular Arabic foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce

translation skills.

06727 Arabic Field Experience

Arabic Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Arabic is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06728 Arabic Conversation and Culture

Arabic Conversation and Culture courses provide students with an introduction to the Arabic language and the culture(s) of Arabic-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06729 Arabic Literature

Arabic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Arabic.

06730 IB Language A (non-English)—Arabic

IB Language A (non-English)—Arabic courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06731 IB Language B—Arabic

IB Language B—Arabic courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06732 IB Classical Languages—Arabic

IB Classical Languages—Arabic courses seek to strike a balance between the study of the language itself (structure, meaning, and formulation) and the study of the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Arabic text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects.

06759 Semitic and Near/Middle Eastern Languages—Other

Non-Semitic African Languages

06761 Swahili I

Designed to introduce students to Swahili language and culture, Swahili I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Swahili culture is introduced through the art, literature, customs, and history of the Swahili-speaking people.

06762 Swahili II

Swahili II courses build upon skills developed in Swahili I, extending students' ability to understand and express themselves in Swahili and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Swahili-speaking people to deepen their understanding of the culture(s).

06763 Swahili III

Swahili III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06764 Swahili IV

Swahili IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Swahili language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06765 Swahili V

Swahili V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06766 Swahili for Native Speakers

Swahili for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Swahili for Native Speakers courses often move faster than do regular Swahili foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also incorporate more of the culture or history of the people than do regular foreign language courses and introduce translation skills.

06767 Swahili Field Experience

Swahili Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where Swahili is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06768 Swahili Conversation and Culture

Swahili Conversation and Culture courses provide students with an introduction to the Swahili language and the culture(s) of Swahili-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06769 Swahili Literature

Swahili Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in Swahili.

06770 IB Language A (non-English)—Swahili

IB Language A (non-English)—Swahili courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes indepth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06771 IB Language B—Swahili

IB Language B—Swahili courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06781 Non-Semitic African Language I

Designed to introduce students to a Non-Semitic African language not otherwise described (e.g., Ibo, Yoruba, and Amharic) and culture, Non-Semitic African Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06782 Non-Semitic African Language II

Non-Semitic African Language II courses build upon skills developed in Non-Semitic African Language I, extending students' ability to understand and express themselves in a Non-Semitic African language not otherwise described (e.g., Ibo, Yoruba, and Amharic) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs,

history, and art forms of appropriate people to deepen their understanding of the culture(s).

06783 Non-Semitic African Language III

Non-Semitic African Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06784 Non-Semitic African Language IV

Non-Semitic African Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Non-Semitic African Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06785 Non-Semitic African Language V

Non-Semitic African Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06786 Non-Semitic African Language for Native Speakers

Non-Semitic African Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Ibo, Yoruba, and Amharic). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Non-Semitic African Language for Native Speakers courses often move faster than do regular Non-Semitic African Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06787 Non-Semitic African Language Field Experience

Non-Semitic African Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Non-Semitic African language (e.g., Ibo, Yoruba, and Amharic) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06788 Non-Semitic African Language Conversation and Culture

Non-Semitic African Language Conversation and Culture courses provide students with an introduction to a Non-Semitic African language not otherwise described (e.g., Ibo, Yoruba, and Amharic) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06789 Non-Semitic African Literature

Non-Semitic African Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Non-Semitic African language not otherwise described (e.g., Ibo, Yoruba, and Amharic).

06790 IB Language A (non-English)—Non-Semitic African Language

IB Language A (non-English)—Non-Semitic African Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06791 IB Language B—Non-Semitic African Language

IB Language B—Non-Semitic African Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06799 African (non-Semitic) Language—Other

American Sign Language

06801 American Sign Language I

Designed to introduce students to American Sign Language, American Sign Language I courses enable students to communicate with deaf persons through finger spelling, signed words, and gestures. Course topics may include the culture of and issues facing deaf people.

06802 American Sign Language II

American Sign Language II courses build upon skills developed in American Sign Language I, extending students' ability to understand and express themselves in American Sign Language and increasing their vocabulary and speed. Typically, students learn how to engage in discourse for informative or social purposes and to comprehend the language when signed slowly.

06803 American Sign Language III

American Sign Language III courses focus on having students express increasingly complex concepts while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when viewing the language signed at normal rates and conversing easily within limited situations.

06804 American Sign Language IV

American Sign Language IV courses focus on advancing students' skills and abilities to sign and understand the language so that they can maintain simple conversations with sufficient vocabulary and in an acceptable pace and have sufficient comprehension skills to understand the language when signed at a normal pace.

06805 American Sign Language V

American Sign Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs.

06819 American Sign Language—Other

American Indian Languages

06821 American Indian Language I

Designed to introduce students to a American Indian language not otherwise described (e.g., Navajo, Cherokee, and Kree) and culture, American Indian Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06822 American Indian Language II

American Indian Language II courses build upon skills developed in American Indian Language I, extending students' ability to understand and express themselves in a American Indian language not otherwise described (e.g., Navajo, Cherokee, and Kree) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06823 American Indian Language III

American Indian Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06824 American Indian Language IV

American Indian Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the American Indian Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06825 American Indian Language V

American Indian Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06826 American Indian Language for Native Speakers

American Indian Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue not otherwise described (e.g., Navajo, Cherokee, and Kree). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), American Indian Language for Native Speakers courses often move faster than do regular American Indian Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06827 American Indian Language Field Experience

American Indian Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a American Indian language (e.g., Navajo, Cherokee, and Kree) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06828 American Indian Language Conversation and Culture

American Indian Language Conversation and Culture courses provide students with an introduction to a American Indian language not otherwise described (e.g., Navajo, Cherokee, and Kree) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06829 American Indian Literature

American Indian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a American Indian language not otherwise described (e.g., Navajo, Cherokee, and Kree).

06830 IB Language A (non-English)—American Indian Language

IB Language A (non-English)—American Indian Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06831 IB Language B—American Indian Language

IB Language B—American Indian Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These

courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06839 American Indian Language—Other

Indic Languages

06841 Indic Language I

Designed to introduce students to an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany) and culture, Indic Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06842 Indic Language II

Indic Language II courses build upon skills developed in Indic Language I, extending students' ability to understand and express themselves in an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06843 Indic Language III

Indic Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06844 Indic Language IV

Indic Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Indic Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06845 Indic Language V

Indic Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06846 Indic Language for Native Speakers

Indic Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue (e.g., Hindi, Urdu, Panjabi, and Romany). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Indic Language for Native Speakers courses often move faster than do regular Indic Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06847 Indic Language Field Experience

Indic Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06848 Indic Language Conversation and Culture

Indic Language Conversation and Culture courses provide students with an introduction to an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.

06849 Indic Literature

Indic Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in an Indic language (e.g., Hindi, Urdu, Panjabi, and Romany).

06850 IB Language A (non-English)—Indic Language

IB Language A (non-English)—Indic Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06851 IB Language B—Indic Language

IB Language B—Indic Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06859 Indic Language—Other

Malayo-Polynesian Languages

06861 Malayo-Polynesian Language I

Designed to introduce students to a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan) and culture, Malayo-Polynesian Language I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

06862 Malayo-Polynesian Language II

Malayo-Polynesian Language II courses build upon skills developed in Malayo-Polynesian Language I, extending students' ability to understand and express themselves in a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan) and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of appropriate people to deepen their understanding of the culture(s).

06863 Malayo-Polynesian Language III

Malayo-Polynesian Language III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06864 Malayo-Polynesian Language IV

Malayo-Polynesian Language IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Malayo-Polynesian Language being studied so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

06865 Malayo-Polynesian Language V

Malayo-Polynesian Language V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

06866 Malayo-Polynesian Language for Native Speakers

Malayo-Polynesian Language for Native Speakers courses support, reinforce, and expand students' knowledge of their own tongue (e.g., Malay, Indonesian, Hawaiian, and Samoan). Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Malayo-Polynesian Language for Native Speakers courses often move faster than do regular Malayo-Polynesian Language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

06867 Malayo-Polynesian Language Field Experience

Malayo-Polynesian Language Field Experience courses place students in an environment in which they interact with native speakers, most typically in a setting where a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan) is the main language spoken. Students strengthen their language skills (reading, writing, listening, and speaking) and increase their ability to interact naturally.

06868 Malayo-Polynesian Language Conversation and Culture

Malayo-Polynesian Language Conversation and Culture courses provide students with an introduction to a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan) and the culture(s) of the people, placing greater emphasis on speaking and listening skills while deemphasizing writing and reading the language.

06869 Malayo-Polynesian Literature

Malayo-Polynesian Literature courses place an emphasis on reading, understanding, and reacting in writing to literature written in a Malayo-Polynesian language (e.g., Malay, Indonesian, Hawaiian, and Samoan).

06870 IB Language A (non-English)—Malayo-Polynesian Language

IB Language A (non-English)—Malayo-Polynesian Language courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

06871 IB Language B—Malayo-Polynesian Language

IB Language B—Malayo-Polynesian Language courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

06879 Malayo-Polynesian Language—Other

General

06995 Foreign Language and Literature—Aide

Foreign Language and Literature—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

06997 Foreign Language and Literature—Independent Study

Foreign Language and Literature—Independent Study courses, often conducted with instructors as mentors, enable students to explore foreign language-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular language, to explore a topic in greater detail, or to develop more advanced skills.

06998 Foreign Language and Literature—Workplace Experience

Foreign Language and Literature—Workplace Experience courses provide students with work experience in a field related to foreign language and literature. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

06999 Foreign Language and Literature—Other

Subject Area 7: Religious Education and Theology (secondary)

07001 Religious Foundations

Religious Foundations courses' primary objectives include instruction in the history, tenets, and organization of a religion; development of personal faith and conviction; and exposure to the ways in which daily life may reflect personal religious beliefs. These courses typically include various components particular to a specific religion, such as religious sacraments and symbols, food laws, the authority and structure of the church, the church calendar, and so on.

07002 Comparative Religion

Comparative Religion courses survey and compare the various forms and values of several world religions, offering students a basic understanding of the world's diverse religious faiths and practices. Course topics typically include the belief systems of adherents; the relationships among humans, nature, ancestors, and the spiritual world; and the historical development of each religion.

07003 Eastern Religions

Similar to Comparative Religion, Eastern Religions courses provide students with an overview of various religions and belief systems but focus on those of the Eastern World. Particular religious or philosophical systems of study usually include Buddhism, Hinduism, Islam, Taoism, Shintoism, and Confucianism, among others.

07004 Western Religions

Similar to Comparative Religion, Western Religions courses provide students with an overview of various religions and belief systems but focus on those of the Western World. Particular religious or philosophical systems of study usually include Judaism; Christianity (including various faiths such as those of Catholics, Episcopalians, Baptists, Quakers, Mormons,

Mennonites, and others); and Native Indian belief systems, among others.

07005 Scriptures

Scriptures courses emphasize understanding and interpreting the sacred writings of a faith (such as the Bible, Torah, Koran, Book of Mormon, and so on) from the standpoint of a religious faith. Course objectives are designed so that students may comprehend the theological, doctrinal, and ethical messages contained within religious scriptures.

07006 Old Testament

Old Testament courses emphasize understanding and interpreting the sacred writings of the Old Testament from the standpoint of a religious faith and may focus on one or several books. Course content typically focuses on themes, theological concepts, and portrayal of ethical messages, but may also include critique and commentary.

07007 New Testament

New Testament courses emphasize understanding and interpreting the sacred writings of the New Testament from the standpoint of a religious faith and may focus on one or several religious books. Course content typically focuses on themes, theological concepts, and portrayal of ethical messages, but may also include critique and commentary.

07008 Bible History

Bible History courses treat the Bible as a historical document and provide an overview of significant biblical events. The content usually includes geography; the relationship among cultures, belief systems, and the events chronicled in the Bible; and early Jewish or Christian Church history.

07009 Christology

Christology courses concern the work and life of Jesus Christ and the literature related to him. Course content is typically based on Christian scriptures, leading to an examination of the message of Jesus Christ and applying His message to daily life.

07010 Religious Figures

Religious Figures courses offer students the opportunity to examine the lives and messages of one or several people who are central to a religious faith, such as a prophet, apostle, philosopher, or leader. In addition to a historical study of the person (or people), these courses typically emphasize how the teachings of these individuals influence the faith and culture of a religious group.

07011 Liturgy and Prayer

Liturgy and Prayer courses vary widely, usually depending upon the underlying religion, but generally seek to inform students about the meaning and message of public and private worship. Course content typically includes an examination or exploration of common rituals, spoken or sung prayers, and observed sacraments.

07012 Prayer and Spirituality

Prayer and Spirituality courses vary widely, but seek to enable students to experience deeper communion with the divine through public and private worship. Course content may include an examination or exploration of traditional and contemporary practices.

07013 Religious Ethics and Morality

Usually including an introduction to or examination of the tenets of a particular faith, Religious Ethics and Morality courses seek to enable students to apply the moral teachings of a faith to their own lives, to the larger community, and to their decision-making processes. Course content may focus on such issues as peace and justice, death and dying, human sexuality, professional ethics, and human rights.

07014 Justice, Peace, and Faith

Justice, Peace, and Faith courses examine the scriptural foundations for justice, typically with a historical overview of a faith's social teaching. These courses discuss such topics as poverty, hunger, conflict, discrimination, justice, and environmental issues, with a view toward developing students' ability to critically reflect upon and analyze their own roles and responsibilities.

07015 Faith and Lifestyle

Faith and Lifestyle courses focus on the development of young adults from puberty to adulthood, approached from the perspective of a faith or church. In these courses, the religion's values and traditions provide an underpinning for examining such topics as identity, independence, sexuality, employment, and leisure. Typically, Faith and Lifestyle courses include discussions about adult roles—single life, marriage, religious life, and ordained ministry.

07016 Ministry

Ministry courses introduce students to the vocation of service. Students may learn counseling skills, plan and participate in religious services, and minister to younger students or to members of the local community (assisting in hospitals and convalescent homes, crisis centers, soup kitchens, and so on).

07995 Religious Education and Theology—Aide

Religious Education and Theology—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

07997 Religious Education and Theology—Independent Study

Religious Education and Theology—Independent Study courses, often conducted with instructors, members of the clergy, or religious leaders as mentors, enable students to explore topics of interest related to religion or theology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular religion, to explore a topic in greater detail, or to develop more advanced skills.

07998 Religious Education and Theology—Workplace Experience

Religious Education and Theology—Workplace Experience courses provide students with work experience in a field related to religion and theology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

07999 Religious Education and Theology—Other

Subject Area 8: Physical, Health, and Safety Education

Physical Education

08001 Physical Education

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

08002 Team Sports

Team Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer, and so on).

08003 Individual/Dual Sports

Individual/Dual Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one individual or dual sport (such as tennis, golf, badminton, jogging/running, racquetball, and so on).

08004 Recreation Sports

Recreation Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one recreational sport or outdoor pursuit (such as adventure activities, croquet, Frisbee, wall climbing, bocce ball, fishing, hiking, cycling, and so on).

08005 Fitness/Conditioning Activities

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

08006 Corps Movement

Corps Movement courses emphasize physical conditioning, fundamentals of movement, group precision, and public performance. The courses may be intended for members of various teams, including flag corps, rifle corps, cheerleading squads, and so on.

08007 Adapted Physical Education

These courses provide physical education activities (sports, fitness, and conditioning) adapted for students with special needs.

08008 Gymnastics

Gymnastics courses are designed to help students develop knowledge and skills in gymnastics, stunts, and tumbling while emphasizing safety. Floor gymnastics may be supplemented by the use of gymnastic equipment such as balance beam, uneven bars, parallel bars, rings, and so on. Gymnastic courses may include other components such as the history of gymnastics and conditioning.

08009 Weight Training

Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.

08010 Aquatic/Water Sports

Aquatic/Water Sports courses help students develop skills useful or necessary in an aquatic environment. They may focus on swimming and competitive strokes, such as freestyle, breaststroke, butterfly, and so on or may involve team-oriented water sports, such as water polo and relay swimming. These courses may also include (or concentrate exclusively on) diving and/or lifesaving skills.

08011 Tennis

Tennis courses help students develop knowledge, skills, and abilities related to the sport of singles or doubles tennis, including shots (such as serves, forehand strokes, backhand strokes, and lobs), scoring, and strategy.

08012 Self-defense

Self-defense courses help students develop knowledge, skills, and abilities to defend themselves against attack by others, usually incorporating traditional self-defense methods. Students may also be taught techniques from martial arts, addressing the differences among those arts and their contribution to defense and sport.

08013 Specific Sports Activities

Courses in Specific Sports Activities help students develop knowledge, experience, and skills in a single sport or activity (such as basketball, volleyball, track and field, and equestrian events) other than those coded within this section. (Dance is included under the Fine and Performing Arts subject area.)

08014 Physical Education Equivalent

These courses award physical education credit for other at-school activities, such as marching band or cheerleading. (Dance is included under the Fine and Performing Arts subject

area.)

08015 Off-Campus Sports

These courses award physical education credit for off-campus sports activities such as swimming or weight training courses taken at a community center or community college.

08016 Lifetime Fitness Education

These courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may develop and implement a personal fitness plan.

08017 Sports Physiology

Courses in Sports Physiology examine human anatomy and physiology as they pertain to human movement and physical performance in sports activities. These courses may also emphasize the prevention and treatment of athletic injuries.

08047 Physical Education—Independent Study

Courses in Physical Education—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to physical education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular sport or activity, to explore a topic in greater detail, or to develop more advanced skills.

08048 Physical Education—Workplace Experience

Physical Education—Workplace Experience courses provide work experience in a field related to physical education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences encountered in the workplace.

08049 Physical Education—Other

Health Education

08051 Health Education

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

08052 Health and Fitness

Health and Fitness courses combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of

conveying the importance of life-long wellness habits.

08053 Community Health

Community Health courses cover not only personal health topics (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on), but also more general health issues. These additional topics may include (among others) available community resources, fundamentals of the nation's health care system, contemporary world health issues, and career options within the health field.

08054 Special Needs Health Education

Special Needs Health Education courses focus on the health requirements of individuals with special needs and emphasize meeting those needs within the home setting. These courses provide information regarding the elderly and individuals with disabilities, handicaps, and/or debilitating illnesses, along with strategies to prepare students for their possible roles as caretakers.

08055 Safety and First Aid

Safety and First Aid courses provide specialized instruction in first aid techniques, cardiopulmonary resuscitation (CPR), relief of obstructed airways, and general safety procedures and behaviors. These courses may include such topics as an overview of community agencies and hotlines providing emergency care and information and opportunities for first aid and CPR certification.

08056 Health for Parenting Teens

Designed for pregnant teens and/or parents, topics within Health for Parenting Teens courses cover a wide range of both health and parenting issues, typically including prenatal and postnatal care, health and well-being of young parents, child development, stress management, and parental/adult roles. The courses may also involve academic assistance, career exploration, financial management, and so on.

08057 Health and Life Management

Health and Life Management courses focus as much on consumer education topics (such as money management and evaluation of consumer information and advertising) as on personal health topics (such as nutrition, stress management, drug/alcohol abuse prevention, disease prevention, and first aid). Course objectives include helping students develop decision-making, communication, interpersonal, and coping skills and strategies.

08058 Substance Abuse Prevention

Substance Abuse Prevention courses focus specifically on the health risks of drugs, alcohol and tobacco. These courses provide information on the negative consequences of these products and teach students coping strategies to resist the influences (such as peers and media images) that may entice them to use these substances. Students may also explore the community resources available to them.

08097 Health Education—Independent Study

Courses in Health Education—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to health and health education. Independent Study courses may provide students with opportunity to expand expertise in a particular application, to explore a topic of special interest in greater detail, or to develop more advanced skills.

08098 Health Education—Workplace Experience

Health Education—Workplace Experience courses provide work experience in a field related to health education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences encountered in the workplace.

08099 Health Education—Other

Drivers' Education

08151 Drivers' Education—Classroom Only

Drivers' Education—Classroom Only courses provide students with the knowledge to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs).

08152 Drivers' Education—Classroom and Laboratory

Drivers' Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

08197 Drivers' Education—Independent Study

Courses in Drivers' Education—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to drivers' education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

08198 Drivers' Education—Workplace Experience

Drivers' Education—Workplace Experience courses provide work experience in a field related to drivers' education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

08199 Drivers' Education—Other

All Others

08201 Physical Education/Health/Drivers' Education

Physical Education/Health/Drivers' Education courses combine a range of activities and topics involving physical skills, human health issues, and safe driving. They are offered in ways that cover two or three of these areas. The physical education portion of these courses draws on team, individual, dual, recreational, and/or conditioning activities. The human health portion typically covers issues such as nutrition, stress management, drug/alcohol abuse prevention, and first aid. The drivers' education portion usually includes legal obligations and responsibilities, rules of the road and traffic procedures, safe driving strategies, and related topics.

08995 Physical, Health, and Safety Education—Aide

Physical, Health, and Safety Education—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

08997 Physical, Health, and Safety Education—Independent Study

Courses in Physical, Health, and Safety Education—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to physical, health, and safety education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced physical, health and/or safety skills.

08998 Physical, Health, and Safety Education—Workplace Experience

Physical, Health, and Safety Education—Workplace Experience courses provide work experience in a field related to physical, health, and safety education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

08999 Physical, Health, and Safety Education—Other

Subject Area 9: Military Science

General

09001 Introduction to Junior ROTC

Introduction to Junior Reserve Officer Training Corps (ROTC) courses introduce students to the purposes and objectives of the Reserve Officer Training Corps program, which seeks to educate high school students in citizenship, promote community service, and instill responsibility. As part of

that introduction, course topics typically include a brief history of the military branches in the United States and the basics of military drill, ceremony, and rank structure.

09002 Military Junior ROTC—unspecified branch

Although individual course sequences may vary, the primary objectives of Military Junior Reserve Officer Training Corps (ROTC) courses are to provide students with instruction in the history, organization, role, objectives, and achievements of a particular branch of the U.S. Armed Forces; help them develop personal fitness, strong character, and leadership qualities; and expose them to the career opportunities provided by the U.S. Armed Services. These courses typically cover such topics as military customs, courtesies, rank, drill, and ceremonies and also emphasize citizenship and scholarship. The course content typically includes subjects related to the particular branch being studied (such as map-reading, nautical skills, aerospace technology, or communication technologies), as well as more general subjects (international law, national defense, celestial navigation, and geopolitical strategy).

09003 ROTC Drill

Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Class members typically participate in ceremonies and competitions.

09004 Military Leadership

Military Leadership courses focus solely on increasing students' leadership skills, particularly as they relate to military operations, customs, and hierarchies. These courses are typically a regular part of the ROTC programs described below (typically the final course within a program series); this Military Leadership course code and title should be used when those descriptions do not apply. The principles and skills taught in these courses include supervision, motivation, evaluation, and setting an example, and their application typically include military drill and inspections, athletic events, and other school activities.

Army

09051 Army Junior ROTC I

Army Junior Reserve Officer Training Corps (ROTC) I courses include instruction in the organization and functions of the U.S. Army, leadership skills, and life skills education. The content of these courses cover (but is not limited to) the history and evolution of the Army, including its structure, operations, customs and courtesies; maps and navigation; first aid, personal hygiene, and field sanitation; and substance abuse prevention. These courses also introduce students to principles of leadership and citizenship.

09052 Army Junior ROTC II

Army Junior Reserve Officer Training Corps (ROTC) II courses build upon the content of Army Junior ROTC I and include (but are not limited to) ongoing instruction in leadership principles and citizenship; drill and ceremonies; organizational structure; command and staff relationships, functions, and responsibilities; significant military campaigns and leaders; map-reading and orienteering; weapon safety and marksmanship; and survival training.

09053 Army Junior ROTC III

Army Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Army Junior ROTC courses, giving more emphasis to leadership development. These courses serve to strengthen students' leadership skills (including planning, problem-solving, motivation, and performance appraisal) and management skills (with regard to time, personnel, and other resources) through allowing them to assume leadership duties. Students study topics introduced in earlier years—such as military history, map-reading and orienteering, marksmanship, and drill and ceremonies—at a more advanced level and are also provided with military service opportunities.

09054 Army Junior ROTC IV

Army Junior Reserve Officer Training Corps (ROTC) IV courses focus on practical leadership by assigning students to command and staff positions in which they present instruction to lower Army Junior ROTC classes and continue to study and review staff functions and actions, staff-commander relationships, and leadership principles. Topics introduced in earlier years may be studied at more advanced levels.

Navy

09101 Naval Junior ROTC I

Naval Junior Reserve Officer Training Corps (ROTC) I courses emphasize citizenship and leadership development, as well as maritime heritage, sea power, and Naval operations and customs. These courses include (but are not limited to) an introduction to the Naval Junior ROTC program, U.S. Navy mission and organization, maritime geography, naval history, basic seamanship, oceanography, and health education.

09102 Naval Junior ROTC II

Naval Junior Reserve Officer Training Corps (ROTC) II courses build upon the content of Naval Junior ROTC I. These courses include (but are not limited to) leadership principles and discipline, citizenship, naval opportunities and career planning, naval ships and weaponry, seamanship, meteorology and weather, and survival training. Students continue to learn teamwork, naval history, and military principles.

09103 Naval Junior ROTC III

Naval Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Naval Junior ROTC courses. These courses include (but are not limited to) leadership principles and discipline, military justice, international law and the sea, naval intelligence/strategies and national security, and sciences involved in naval operations, such as electricity, electronics, communications technologies, and so on. Students continue to learn teamwork, naval history, and military principles.

09104 Naval Junior ROTC IV

Naval Junior Reserve Officer Training Corps (ROTC) IV courses are focused on practical leadership, placing students in positions where they can learn, practice, and understand skills involved in leading others, such as supervision, motivation, evaluation, setting examples, and problem-solving. Application of these skills usually includes military drill and inspections, athletic events, and other school activities. Topics introduced in earlier years may be studied at more

advanced levels.

Air Force

09151 Air Force Junior ROTC I

Air Force Junior Reserve Officer Training Corps (ROTC) I courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover the heritage and development of the Air Force, including its structure, operations, customs, and courtesies. Aerospace topics include the development, history, and impact of flight; aircraft and spacecraft; and the environment in which these crafts operate.

09152 Air Force Junior ROTC II

Air Force Junior Reserve Officer Training Corps (ROTC) II courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover intercommunication skills, drill, and military ceremonies. Aerospace topics emphasize the science of flight, including factors of aerospace power, aircraft flight, and navigation.

09153 Air Force Junior ROTC III

Air Force Junior Reserve Officer Training Corps (ROTC) III courses include both aerospace studies and leadership/life skills education. These courses continue to develop students' life and leadership skills and the ways in which they apply to military life. Aerospace topics emphasize space technology and exploration; examine national defense systems; and advance students' knowledge of aviation, propulsion, and navigation.

09154 Air Force Junior ROTC IV

Air Force Junior Reserve Officer Training Corps (ROTC) IV courses include both aerospace studies and leadership/life skills education. The life skills education portion of these courses concentrates on leadership and management principles and career opportunities, and aerospace topics include advanced aerodynamics and aeronautics. Course content may also cover elements of national power and relationships between the nations of the world.

Marine Corps

09201 Marine Corps Junior ROTC I

Marine Corps Junior Reserve Officer Training Corps (ROTC) I courses introduce the Marine Corps Junior ROTC program, with an emphasis on personal growth and responsibility along with general military subjects. These courses include (but are not limited to) physical training; health education, including hygiene, first aid, nutrition, and substance abuse prevention; and communication skills. In these courses, students are introduced to and study Marine Corps values and code of conduct; drill and ceremony; military uniforms, customs, and courtesies; military history; and the Marine Corps structure and chain of command.

09202 Marine Corps Junior ROTC II

Marine Corps Junior Reserve Officer Training Corps (ROTC) II courses build upon Marine Corps Junior ROTC I. These courses emphasize personal growth and responsibility, leadership, and citizenship along with military subjects that typically include the mission, organization, and history of the Marine Corps; geography, maps, and navigation; drill and ceremony; and military justice. Students learn about such leadership skills as authority, responsibility, and accountability and citizenship topics including U.S. government structures, documents, and symbols.

09203 Marine Corps Junior ROTC III

Marine Corps Junior Reserve Officer Training Corps (ROTC) III courses build upon prior Marine Corps Junior ROTC courses. These courses include (but are not limited to) leadership practice, including training, inspection and evaluation; public service career opportunities; and citizenship responsibilities. These courses cover such personal skills as financial planning, saving and investing, and evaluating credit and insurance terms. Students learn about the structures of other armed service branches, advance their mapping and navigation skills, and may study firearm use, safety and marksmanship. Students continue to learn teamwork, Marine Corps history, and military principles.

09204 Marine Corps Junior ROTC IV

Marine Corps Junior Reserve Officer Training Corps (ROTC) IV courses focus on the practical application of skills learned throughout the program: leadership, communication (written and verbal), personal growth, and public service. These courses emphasize drill and ceremony, physical fitness, marksmanship, land navigation, and military history at more advanced levels than in previous courses.

Other

09995 Military Science—Aide

Military Science—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

09997 Military Science—Independent Study

Courses in Military Science—Independent Study, often conducted with instructors/armed services personnel as mentors, enable students to explore topics of interest related to military science. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

09998 Military Science—Workplace Experience

Military Science—Workplace Experience courses provide students with work experience within the field of military science and are supported by classroom attendance and discussion. In these courses, goals are set for the employment period, and classroom experience may involve further study in the field, improvement of employability skills, or discussion regarding the experiences and problems that students encounter on the job.

09999 Military Science—Other

Subject Area 10: Computer and Information Sciences

Computer Literacy

10001 Introduction to Computers

Introduction to Computer courses introduce students to computers and peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations.

10002 Computing Systems

Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications.

10003 Computer and Information Technology

Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use.

10004 Computer Applications

In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.

10005 Business Computer Applications

In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and telecommunications.

10006 Telecommunications

Telecommunications courses address the growth in global communications and the emerging equipment and systems needed to successfully communicate in a global environment. These courses cover such topics as data communication protocol and systems, government regulations of the communications industry, and the use of cost-effective and productive tools to transmit messages and data. In these courses, students may learn about such communication systems as e-mail, internet or e-commerce, LAN, WAN, voice transmission, cell phone

technology, and traditional teleconferencing.

10007 IB Information Technology in a Global Society

IB Information Technology in a Global Society courses prepare students to take the International Baccalaureate Information Technology exams and examine the interaction among information, technology, and society. Course content is designed to help students develop a systematic, problem-solving approach to processing and analyzing information using a range of information tools. In these courses, students also discuss and evaluate how modern information technology affects individuals, relationships among people, and institutions and societies.

10008 Particular Topics in Computer Literacy

These courses examine particular topics related to general computer literacy other than those already described, such as privacy issues or instruction in using a particular software application.

10047 Computer Literacy—Independent Study

Computer Literacy—Independent Study courses, often conducted with instructors as mentors, enable students to explore computer-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

10048 Computer Literacy—Workplace Experience

Computer Literacy—Workplace Experience courses provide work experience in fields related to computer literacy. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

10049 Computer Literacy—Other

Management Information Systems

10051 Information Management

Information Management courses provide students with the knowledge and skills to develop and implement a plan for an information system that meets the needs of business. Students develop an understanding of information system theory, skills in administering and managing information systems, and the ability to analyze and design information systems.

10052 Database Management and Data Warehousing

Database Management and Data Warehousing courses provide students with the skills necessary to design databases to meet user needs. Courses typically address how to enter, retrieve, and manipulate data into useful information. More advanced topics may cover implementing interactive applications for common transactions and the utility of mining data.

10053 Database Applications

Database Application courses provide students with an understanding of database development, modeling, design, and normalization. These courses typically cover such topics as SELECT statements, data definition, manipulation, control languages, records, and tables. In these courses, students may use Oracle WebDB, SQL, PL/SQL, SPSS, and SAS and may prepare for certification.

10054 Data Systems/Processing

Data Systems/Processing courses introduce students to the uses and operation of computer hardware and software and to the programming languages used in business applications. Students typically use BASIC, COBOL, and/or RPL languages as they write flowcharts or computer programs and may also learn data-processing skills.

10055 Particular Topics in Management Information Systems

These courses examine particular topics in management information systems other than those already described.

10097 Management Information Systems—Independent Study

Management Information Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to management information systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

10098 Management Information Systems—Workplace Experience

Management Information Systems—Workplace Experience courses provide work experience in fields related to management information systems. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

10099 Management Information Systems—Other

Network Systems

10101 Network Technology

Network Technology courses address the technology involved in the transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television networks, radio waves, and so on). These courses may emphasize the capabilities of networks, network technology itself, or both. Students typically learn about network capabilities—including electronic mail, public networks, and electronic bulletin boards—and network technology—including network software, hardware, and peripherals involved in setting up and maintaining a computer network.

10102 Networking Systems

Networking Systems courses are designed to provide students with the opportunity to understand and work with hubs, switches, and routers. Students develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and Internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network certification.

10103 Area Network Design and Protocols

Area Network Design and Protocols courses address the role of computers in a network system, the Open Systems Interconnection (OSI) model, structured wiring systems, and simple LAN (local area network) and WAN (wide area network) designs.

10104 Router Basics

Router Basics courses teach students about router components, start-up, and configuration using CISCO routers, switches, and the IOS (Internetwork Operation System). These courses also cover such topics as TCP/IP protocol, IP addressing, subnet masks, and network trouble-shooting.

10105 NetWare Routing

NetWare Routing courses introduce students to such topics as Virtual LANs (VLAN) and switched internetworking, comparing traditional shared local area network (LAN) configurations with switched LAN configurations, and they also discuss the benefits of using a switched VLAN architecture. These courses also may cover routing protocols like RIP, IGRP, Novell IPX, and Access Control Lists (ACLs).

10106 Wide Area Telecommunications and Networking

Wide Area Telecommunications and Networking courses provide students with the knowledge and skills to enable them to design Wide Area Networks (WANs) using ISDN, Frame-Relay, and PPP. Students gain knowledge and skills in network management and maintenance and develop expertise in trouble-shooting and assessing the adequacy of network configuration to meet changing conditions.

10107 Wireless Networks

Wireless Networks courses focus on the design, planning, implementation, operation, and trouble-shooting of wireless computer networks. These courses typically include a comprehensive overview of best practices in technology, security, and design, with particular emphasis on handson skills in (1) wireless LAN set-up and trouble-shooting; (2) 802.11a & 802.11b technologies, products, and solutions; (3) site surveys; (4) resilient WLAN design, installation, and configuration; (5) vendor interoperability strategies; and (6) wireless bridging.

10108 Network Security

Network Security courses teach students how to design and implement security measures in order to reduce the risk of data vulnerability and loss. Course content usually includes typical security policies; firewall design, installation, and management; secure router design, configuration,

and maintenance; and security-specific technologies, products, and solutions.

10109 Essentials of Network Operating Systems

Essentials of Network Operating Systems courses provide a study of multi-user, multi-tasking network operating systems. In these courses, students learn the characteristics of the Linux, Windows 2000, NT, and XP network operating systems and explore a variety of topics including installation procedures, security issues, back-up procedures, and remote access.

10110 Microsoft Certified Professional (MCP)

Microsoft Certified Professional courses provide students with the knowledge and skills necessary to be employed as a network administrator in the latest Windows server-networking environment. Topics include installing, configuring, and trouble-shooting the Windows server. These courses prepare students to set up network connections; manage security issues and shares; and develop policies. Students are typically encouraged to take the MCP exam.

10111 Particular Topics in Networking Systems

These courses examine particular topics in networking systems other than those already described.

10147 Networking Systems—Independent Study

Networking Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to networking systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

10148 Networking Systems—Workplace Experience

Networking Systems—Workplace Experience courses provide students with work experience in fields related to networking systems. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

10149 Networking Systems—Other

Computer Science/Programming

10151 Business Programming

Business Programming courses provide students with experience in using previously written software packages as well as designing and writing programs of their own. The word-processing, spreadsheet, graphics, and database exercises in these courses contain a business industry focus, and the original programs are written in languages typical of this industry (Visual Basic (VB), C++, Java, BASIC, COBOL, and/or RPL).

10152 Computer Programming

Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and COBOL, may be used instead. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and text-processing.

10153 Visual Basic Programming

Visual Basic (VB) Programming courses provide an opportunity for students to gain expertise in computer programs using the Visual Basic (VB) language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. These courses cover such topics as the use of text boxes, scroll bars, menus, buttons, and Windows applications. More advanced topics may include mathematical and business functions and graphics.

10154 C++ Programming

C++ Programming courses provide an opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problem-solving techniques. More advanced topics may include multi-dimensional arrays, functions, and records.

10155 Java Programming

Java Programming courses provide students with the opportunity to gain expertise in computer programs using the Java language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. Topics covered in the course include syntax, I/O classes, string manipulation, and recursion.

10156 Computer Programming—Other Language

Computer Programming—Other Language courses provide students with the opportunity to gain expertise in computer programs using languages other than those specified (such as Pascal, FORTRAN, or emerging languages). As with other computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. As students advance, they learn to capitalize on the features and strengths of the language being used.

10157 AP Computer Science A

Following the College Board's suggested curriculum designed to mirror college-level computer science courses, AP Computer Science A courses provide students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. These courses cover such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities.

10158 AP Computer Science AB

Following the College Board's suggested curriculum designed to mirror college-level computer science courses, AP Computer Science AB courses (in addition to covering topics included in AP Computer Science A) provide a more formal and extensive study of program design, algorithms, data structures, and execution costs.

10159 IB Computing Studies

IB Computer Studies courses prepare students to take the International Baccalaureate Computing Studies exam at either the Subsidiary or Higher level. The courses emphasize problem analysis, efficient use of data structures and manipulation procedures, and logical decision-making. IB Computing Studies courses also cover the applications and effects of the computer on modern society as well as the limitations of computer technology.

10160 Particular Topics in Computer Programming

These courses examine particular topics in computer programming other than those already described.

10197 Computer Programming—Independent Study

Computer Programming—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to computer programming. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

10198 Computer Programming—Workplace Experience

Computer Programming—Workplace Experience courses provide students with work experience in fields related to computer programming. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

10199 Computer Programming—Other

Media Technology

10201 Web Page Design

Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

10202 Computer Graphics

Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.

10203 Interactive Media

Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification.

10204 Particular Topics in Media Technology

These courses examine particular topics in internet design and applications other than those already described.

10247 Media Technology—Independent Study

Media Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to media technology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

10248 Media Technology—Workplace Experience

Media Technology—Workplace Experience courses provide students with work experience in fields related to media technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

10249 Media Technology—Other

Information Support and Services

10251 Computer Technology

Computer Technology courses introduce students to the features, functions, and design of computer hardware and provide instruction in the maintenance and repair of computer components and peripheral devices.

10252 Computer Maintenance

Computer Maintenance courses prepare students to apply basic electronic theory and principles in diagnosing and repairing personal computers and input/output devices. Topics may include operating, installing, maintaining, and repairing computers, network systems, digital control

instruments, programmable controllers, and related robotics.

10253 Information Support and Services

Information Support and Services courses prepare students to assist users of personal computers by diagnosing their problems in using application software packages and maintaining security requirements.

10254 IT Essentials: PC Hardware and Software

IT Essentials: PC Hardware and Software courses provide students with in-depth exposure to computer hardware and operating systems. Course topics include the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Students learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, these courses introduce students to networking and often prepare them for industry certification.

10255 CISCO—The Panduit Network Infrastructure Essentials (PNIE)

CISCO—PNIE courses provide students with the knowledge to create innovative network infrastructure solutions. These courses offer students basic cable installer information and help them acquire the skills to build and use the physical layer of network infrastructure and develop a deeper understanding of networking devices.

10256 Particular Topics in Information Support and Services

These courses examine particular topics in computer support, maintenance, and repair other than those already described.

10297 Information Support and Services—Independent Study

Information Support and Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to computer information support and services. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

10298 Information Support and Services—Workplace Experience

Information Support and Services—Workplace Experience courses provide students with work experience in fields related to information support and/or service. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

10299 Information Support and Services—Other

All Others

10995 Computer and Information Sciences—Aide

Computer and Information Sciences—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

10997 Computer and Information Sciences—Independent Study

Computer and Information Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore computer-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

10998 Computer and Information Sciences—Workplace Experience

Computer and Information Sciences—Workplace Experience courses provide students with work experience in fields related to computer and/or information sciences. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

10999 Computer and Information Sciences—Other

Subject Area 11: Communication and Audio/Visual Technology (secondary)

Communication

11001 Introduction to Communication

Introduction to Communication courses enable students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and propaganda; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium.

11002 Communication Technology

Communication Technology courses enable students to effectively communicate ideas and information through experiences dealing with drafting, design, electronic communication, graphic arts, printing process, photography, telecommunications, and computers. Additional topics covered in the course include information storage and retrieval. Drafting equipment may be used to make scale drawings, including multi-view drawing, photographs, and poster mock-ups.

11003 Particular Topics in Communication

These courses examine specific topics in communication other than those already described.

11047 Communication—Independent Study

Communication—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to mass communications. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

11048 Communication—Workplace Experience

Communication—Workplace Experience courses provide students with work experience in a field related to communication. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

11049 Communication—Other

Audio and Video Technology and Film

11051 Audio/Visual Production

Audio/Visual Production courses provide students with the knowledge and skills necessary for television, video, film, and/or radio production. Writing scripts, camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered within production courses. Students are usually required to produce their own program or segment. Additional topics such as broadcast industry regulations, radio/TV operation, power of the medium, photography, transmission technology, and so on may be included.

11052 Commercial Photography

Commercial Photography courses provide instruction in the use of cameras and laboratory film-processing techniques. Topics covered in the course include composition and color dynamics; contact printing; enlarging; developing film; use of camera meters, air brushes, and other photographic equipment; portrait, commercial, and industrial photography; processing microfilm; and preparing copy for printing or for graphic-arts processing.

11053 Photographic Laboratory and Darkroom

Photographic Laboratory and Darkroom courses prepare students to develop and print still or motion picture film. Topics covered in the course may include controlling resultant prints; touching up negatives; and finishing, coloring, restoring, and copying prints.

11054 Photo Imaging

Photo Imaging courses provide students with the opportunity to effectively communicate ideas and information via digital, film, still and video photography. Topics covered typically include composition, layout, lighting and supplies. More advanced courses may include instruction in specialized camera and equipment maintenance, application to commercial and industrial need

and photography business operations.

11055 Video

Video courses enable students to explore video communications, incorporating both the technical and artistic aspects of video media. Topics covered in the course include the use of video equipment and techniques, and students typically create a video presentation. Advanced course topics may include creating various forms of film media including silent film; sport and music video; and self portrait video.

11056 Particular Topics in Audio/Video Technology and Film

These courses examine specific topics in audio and video technology and film other than those already described.

11097 Audio/Video Technology and Film—Independent Study

Audio/Video Technology and Film—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to A/V technology or film. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

11098 Audio/Video Technology and Film—Workplace Experience

Audio/Video Technology and Film—Workplace Experience courses provide students with work experience in a field related to audio/visual technology and/or film. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

11099 Audio/Video Technology and Film—Other

Journalism and Broadcasting

11101 Journalism

Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included.

11102 Photojournalism

Photojournalism courses expose students to the manner in which photography is used to convey information and experiences. Typically coordinated with production of the school newspaper, yearbook, or other media product, photojournalism courses provide students with the opportunity to

improve their photo composition and film development skills, and to apply their art to journalistic endeavors.

11103 Broadcasting Technology

Broadcasting Technology courses provide students with the knowledge and skills to produce television broadcast programs. Typically, students prepare and produce short programs, learning the technical aspects of the operation and how to evaluate programming and assess audience reaction and impact.

11104 Publication Production

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

11105 Particular Topics in Journalism and Broadcasting

These courses examine specific topics in journalism and broadcasting other than those already described.

11147 Journalism and Broadcasting—Independent Study

Journalism and Broadcasting—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to journalism, broadcasting, and mass media. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

11148 Journalism and Broadcasting—Workplace Experience

Journalism and Broadcasting—Workplace Experience courses provide students with work experience in a field related to journalism or broadcasting. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

11149 Journalism and Broadcasting—Other

Printing Technology and Production

11151 Digital Media Technology

These courses are designed to give students the skills necessary to support and enhance their learning about digital medial technology. Topics covered in the course may include internet research, copyright laws, web-publishing, use of digital imagery, electronic forums, newsgroups, mailing lists, presentation tools, and project planning.

11152 Desktop Publishing

Desktop Publishing courses integrate the knowledge and skills learning in word processing with the concepts, procedures and application of desktop publishing. Students learn to format, create and proofread brochures, programs, newsletters, web pages, presentations and manuscripts.

11153 Digital Media Design and Production

Digital Media Design and Production courses teach students the fundamentals of graphic design and production and provide students with the opportunity to apply these principles to printed media, digital presentation media, and interactive media.

11154 Commercial Graphic Design

Commercial Graphic Design courses teach students to use artistic techniques to effectively communicate ideas and information to business and customer audiences via illustration and other forms of digital or printed media. Topics covered may include concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage and computer graphics.

11155 Graphic Technology

Graphic Technology courses help students apply artistic and computer techniques to the interpretation of technical and commercial concepts. Topics covered may include computer assisted art and design, printmaking, concept sketching, technical drawing, color theory, imaging, studio techniques, still life modeling, and commercial art business operations. Advanced topics may include topographic arrangements of print and/or electronic graphic and textual products, printing and lithographic equipment and operations, digital imaging, print preparation, desktop publishing and web page design.

11156 Photography and Printing Technology

Photography and Printing Technology courses expose students to the tools, materials and processes involved in mass production of photography and printing. Types of printing covered in the course may include intaglio, relief, planographic, screen processes printing, silk screening, serigraphy processes and thermograph. Additional topics may include the use of cameras, composition, imposition, presswork, and computer aided publishing.

11157 Photoengraving

Photoengraving courses teach students to photograph illustration and other copy that cannot be set in type, to develop negatives, and to prepare photosensitized metal plates for use in printing.

11158 Print Press Operations

These courses expose students to the necessary skills for operating a print press. Topics covered in this course include how to prepare, operate and maintain printing processes.

11159 Particular Topics in Printing Technology and Production

These courses examine specific topics in printing production, such as book binding or silk

screen print making, other than those already described.

11197 Printing Technology—Independent Study

Printing Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to the print medium. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

11198 Printing Technology—Workplace Experience

Printing Technology—Workplace Experience courses provide students with work experience in a field related to printing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

11199 Printing Technology—Other

All Others

11995 Communication and Audio/Video Technology—Aide

Communication and Audio/Video Technology—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

11997 Communication and Audio/Video Technology—Independent Study

Communication and Audio/Video Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to mass communication and its technologies. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

11998 Communication and Audio/Video Technology—Workplace Experience

Communication and Audio/Video Technology—Workplace Experience courses provide students with work experience in a field related to communication or audio/visual technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

11999 Communication and Audio/Video Technology—Other

Subject Area 12: Business and Marketing (secondary)

Administration

12001 Business/Office Career Exploration

Business/Office Career Exploration courses expose students to the occupational opportunities available in the accounting, administration, data processing, management, and secretarial fields. Emphasis is placed on responsibilities, qualifications, work environment, and career paths. These courses may also include consumer education topics, keyboard exposure, and/or hands-on experience within the various occupational areas.

12002 Office Procedures—Comprehensive

Office Procedures—Comprehensive courses provide students with numerous opportunities to explore and understand the responsibilities and duties common to most office personnel. These comprehensive courses cover such topics as communication skills, reception and transmission of information via data processing equipment, filing and record management, mail handling, scheduling meetings and conferences, creating itineraries, and word processing.

12003 Office and Administrative Technologies

Office and Administrative Technologies courses provide students with instruction and experience in developing technical, problem-solving, and decision-making skills essential for office and/or administrative occupations. Emphasis is placed on integrating and applying knowledge and skills to realistic office and administrative situations utilizing current and relevant technology.

12004 Office Services

Office Services courses introduce students to and help them refine clerical and receptionist skills. Course content typically covers filing, telephone, and keyboarding skills; reprographic machinery and procedures; communications skills; and so on.

12005 Keyboarding

Keyboarding courses provide students with an introduction to the keyboard (letters, numbers, and symbols), basic machine operation, and proper keystroke technique. As students progress, they improve their speed and accuracy and produce increasingly complex documents. Such courses help students develop keyboard proficiency, document production skills, and problem-solving skills.

12006 Word Processing

Word Processing courses introduce students to automated document production using one or more software packages. These courses may introduce keyboarding techniques or may require prior experience; in either case, speed and accuracy are emphasized. A parallel focus is placed on the use of software commands and functions to create, edit, format, and manipulate documents, capitalizing on the power offered by word processing software programs. These courses may also cover file and disk management and other computer-related skills.

12007 Recordkeeping

Recordkeeping courses help students to develop knowledge and skills related to the

principles and procedures involved in recording personal financial transactions as well as transactions typically undertaken by small businesses. Partial emphasis may be placed on personal banking, budgeting, and income tax calculations; additional emphasis is usually placed on cashier and clerk procedures, inventory control for small businesses, database management, merchandising, and payroll.

12008 Particular Topics in Administration

These courses examine specific topics related to business administration not otherwise described, such as a focus on dictation or office machinery, rather than provide a general study of office administration principles and techniques.

12009 Business Communications

Business Communications courses help students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating non-verbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real-world application.

12047 Administration—Independent Study

Administration—Independent Study courses, often conducted with instructors as mentors, enable students to explore business administration-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

12048 Administration—Workplace Experience

Administration—Workplace Experience courses provide students with work experience in fields related to business administration. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

12049 Administration—Other

Management

12051 Introductory Business

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting,

management, and related fields.

12052 Business Management

Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

12053 Entrepreneurship

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

12054 Business Law

Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities.

12055 Business Principles and Management

Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small.

12056 International Business and Marketing

International Business and Marketing courses examine business management and administration in a global economy. Topics covered in this course typically include the principles and processes of export sales, trade controls, foreign operations and related problems, monetary issues, international business and policy, and applications of doing business in specific countries and markets.

12057 Human Resources and Labor Relations

Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates.

12058 Human Resources Management

Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals of an organization.

12059 IB Business and Management

IB Business and Management courses prepare students to take the International Baccalaureate Business and Management exam at either the Subsidiary or Higher level. In keeping with Individual and Society courses, IB Business and Management promotes problem-solving by identifying the problem, selecting and interpreting data, applying appropriate analytical tools, and recommending solutions by evaluating their quantitative and qualitative implications. These courses also equip students with knowledge and understanding of business terminology, concepts and principles.

12097 Management—Independent Study

Management—Independent Study courses, often conducted with instructors as mentors, enable students to explore business management-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

12098 Management—Workplace Experience

Management—Workplace Experience courses provide students with work experience in fields related to business management. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

12099 Management—Other

Finance

12101 Banking and Finance

Banking and Finance courses provide students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.

12102 Banking

Banking courses are similar to Banking and Finance courses, but they focus specifically on banking. These courses may also address examining and applying the methods used for measuring the financial performance of banks in addition to examining specialized brokerage products, current issues, and future trends in banking.

12103 Finance

Finance courses are similar to Banking and Finance courses, but they focus specifically on finance, addressing how businesses raise, distribute, and use financial resources while managing risk. Course content typically involves modeling financial decisions (such as borrowing, selling equity or stock, lending or investing) typically undertaken by businesses.

12104 Accounting

Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

12105 Business Economics

Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).

12106 Risk Management and Insurance

Risk Management and Insurance courses analyze risk management techniques from the viewpoints of those employed in the industry as well as of business owners seeking to meet risk management needs. Insurance products are evaluated in relation to cost and effectiveness.

12107 Investing

Investing courses emphasize the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Stock market simulations are often incorporated into Investing courses.

12147 Finance—Independent Study

Finance—Independent Study courses, often conducted with instructors as mentors, enable students to explore business finance-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

12148 Finance—Workplace Experience

Finance—Workplace Experience courses provide students with work experience in fields related to finance. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

12149 Finance—Other

Marketing

12151 Marketing Career Exploration

Geared for students with an interest in marketing, sales, or small business operation, Marketing Career Exploration courses expose students to the opportunities available in retail, wholesale, advertising, and other occupational fields using marketing principles.

12152 Marketing—Comprehensive

Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are often covered as well.

12153 Marketing—Fashion

Marketing—Fashion courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management and entrepreneurship, and so on) but do so with particular attention to the fashion industry. In keeping with the focus on the fashion industry, course topics may also include fashion cycles, fashion history, design, style, and coordination.

12154 Marketing—Real Estate

Marketing—Real Estate courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing, advertising, sales, human relations, management and entrepreneurship, and so on) but do so with particular attention to the real estate industry. In keeping with the focus on real estate, course topics may also include financing, investment, ownership rights, ethics, and other real estate principles.

12155 Marketing—Transportation

Marketing—Transportation courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the transportation industry. In keeping with the focus on this industry, topics include identification and proper use of auto parts and accessories and the sales and service of new and used cars, vans, trucks, and related parts.

12156 Marketing—Food/Beverage Industry

Marketing—Food/Beverage Industry courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the food and beverage industry. In keeping with the focus on this industry, topics include the unique characteristics and functions of the food and beverage service industry.

12157 Marketing—Insurance

Marketing—Insurance courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the sale or underwriting of accident, health, life, marine, automobile, and causality insurance.

12158 Marketing—Floristry

Marketing—Floristry courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the floristry industry. In keeping with the focus on this field, topics include the unique characteristics and functions of retail and wholesale floral operations.

12159 Marketing—Hospitality/Tourism

Marketing—Hospitality/Tourism courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with particular attention to the travel, tourism, and lodging industry. In keeping with the focus on this field, topics include the unique characteristics and functions of travel services and hotel/motel operations.

12160 Marketing—Merchandising

Marketing—Merchandising courses are designed to provide students with practical backgrounds in retailing, with emphasis on merchandising, promotion/display, selling, and career planning. The content of this course may also include fundamental principles of human relations.

12161 Retail Marketing

Retail Marketing courses cover marketing principles and concepts related to the provision of goods or services directly to the consumer, emphasizing store operation, advertisement and display of goods, store security, human relations, and business management and ownership.

12162 Internet Marketing

Internet Marketing covers the principles and functions of marketing from the standpoint of conducting business on the internet. Typically, students develop such skills as using the internet as a marketing tool, conducting a marketing analysis via the internet, planning marketing support activities, managing an electronic marketing campaign, managing/owning a business via the internet, and analyzing the impact of the internet on global marketing.

12163 Sports and Entertainment Marketing

Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.

12164 Principles of Marketing

Principles of Marketing courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management.

12165 Principles of Advertising

Principles of Advertising courses expose students to the varied concepts underlying the promotion of products. The topics included in Principles of Advertising courses range considerably, but typically include the psychology of advertising, a study of various media, advertising planning and budgeting, and advertising layout and design principles. Course topics may also include an overview of commercial art and packaging.

12166 Marketing Management

Marketing Management courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems; advertising and sales; and so on) but place a particular emphasis on business management and entrepreneurship, providing exposure to common techniques and problems of management.

12167 Marketing—Other Specialization

Marketing—Other Specialization courses typically cover the same scope of topics as Marketing—Comprehensive courses (purchasing and distribution systems, advertising, display and sales, management, entrepreneurship, and so on) but do so with attention to a particular industry not specified above. The course may also cover specific topics related to the particular industry being covered.

12197 Marketing—Independent Study

Marketing—Independent Study courses, often conducted with instructors as mentors, enable students to explore marketing-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

12198 Marketing—Workplace Experience

Marketing—Workplace Experience courses provide students with work experience in fields related to marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

12199 Marketing—Other

Sales

12201 Cashier/Checker Operations

Cashier/Checker Operations courses provide students with the knowledge and skills to operate a cash register and to handle numerous transactions. Topics typically include cash register procedures; handling cash, credit, checks, food stamps, and other forms of legal tender; human relations; stocking and marking merchandise; and theft prevention. Job search and employability skills are often an integral part of the course.

12202 Principles of Selling

Principles of Selling courses provide students with the knowledge and opportunity to develop in-depth sales competencies. Course content typically includes types of selling, steps in a sale, sales strategies, and interpersonal skills and techniques.

12247 Sales—Independent Study

Sales—Independent Study courses, often conducted with instructors as mentors, enable students to explore sales-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

12248 Sales—Workplace Experience

Sales—Workplace Experience courses provide students with work experience in fields related to sales. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

12249 Sales—Other

All Others

12995 Business and Marketing—Aide

Business and Marketing—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

12997 Business and Marketing—Independent Study

Business and Marketing—Independent Study courses, often conducted with instructors or professionals as mentors, enable students to explore business or marketing-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

12998 Business and Marketing—Workplace Experience

Business and Marketing—Workplace Experience courses provide students with work experience in fields related to business and marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

12999 Business and Marketing—Other

Subject Area 13: Manufacturing (secondary)

Manufacturing Technology

13001 Exploration of Manufacturing Occupations

Exploration of Manufacturing Occupations courses introduce and expose students to the career opportunities pertaining to the processing and production of goods. Course topics vary and may include (but are not limited to) systems pertinent to the manufacturing process, properties of various raw materials, and the methods used to transform materials into consumer products. Course activities depend upon the careers being explored; course topics may include entrepreneurship, labor laws, and customer service.

13002 Manufacturing—Comprehensive

Manufacturing—Comprehensive courses introduce students to the various methods used to process and transform materials. Processing techniques covered usually include casting, forming, separating, assembling, and finishing. The courses may also include an overview of management techniques in planning, organizing, and controlling various segments of the manufacturing process, including design, engineering, production, and marketing.

13003 Industrial Arts

Industrial Arts courses expose students to the tools and machines that they may encounter in manufacturing-related occupations and enable them to develop the skills they need to use these tools in various applications. Course topics typically include (but are not limited to) drawing and planning, electricity, graphic arts, woodwork, leatherwork, metalwork, plastics, and power technology. These courses typically cover general safety and career exploration as well.

13004 Industrial Safety/First Aid

Industrial Safety/First Aid courses provide students with instruction in safe operating procedures related to various trades, as well as more general training in emergency first aid and CPR. Course topics may include the importance of standard operation procedures, agencies and regulations related to occupational safety and hazard prevention, and the dangers of particular materials.

Processing/Production

13052 Materials and Processes

Materials and Processes courses expose students to the tools, machines, and processes that may be encountered in manufacturing-related occupations. In particular, these courses stress the analysis, testing, and processing of metals, plastics, woods, ceramics, and composite materials.

13053 Metal and Wood Processing/Production

Metal and Wood Processing/Production courses include studying the properties of metals, woods, and composites and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

13054 Wood Processing/Production

Wood Processing/Production courses include studying the properties of woods and composites made from woods and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

13055 Metal Processing/Production

Metal Processing/Production courses include studying the properties of metals and metal alloys and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

13056 Plastics Processing/Production

Plastics Processing/Production courses include studying the properties of plastics and composites and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

13057 Ceramic Processing/Production

Ceramic Processing/Production courses include studying the properties of ceramics and heat-resistant composites and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

13058 Particular Topics in Processing and Production

These courses examine specific topics in processing and production, such as substance analysis, other than those already described.

13097 Processing/Production—Independent Study

Processing/Production—Independent Study courses, often conducted with instructors as

mentors, enable students to explore topics of interest related to processing and production. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

13098 Processing/Production—Workplace Experience

Processing/Production—Workplace Experience courses provide students with work experience in fields related to manufacturing processing and production. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

13099 Processing/Production—Other

Production Systems

13101 Production Systems

Production Systems courses provide students with knowledge and skills related to manufacturing technologies from conception through production. Although courses vary, students typically analyze markets, design and develop prototypes, plan a marketing or sales strategy, manage a production plan, and manufacture useful products. These courses may also explore the evolution and impact of technology on society's social, cultural, and economic systems and institutions.

13102 Electro-Mechanical Systems

Electro-Mechanical Systems courses provide students with instruction and experience in components and equipment that use electricity and the power of physical forces. Students gain an understanding of the principles of electricity and mechanics and their application to gears, cams, levers, circuits, and other devices used in the manufacturing process or within manufactured goods.

13103 Product Development

Product Development courses provide students with the opportunity to focus on one or more areas of industrial technology, creatively pursuing new knowledge or solving a technological problem, by designing and building prototypes and working models. Students learn and apply appropriate information in order to complete a project.

13147 Production Systems—Independent Study

Production Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to manufacturing systems and/or research. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

13148 Production Systems—Workplace Experience

Production Systems—Workplace Experience courses provide students with work experience in fields related to manufacturing systems and/or research. Goals are typically set cooperatively by

the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

13149 Production Systems—Other

Metalwork

13201 Metalwork Occupations

Metalwork Occupations courses provide students with theoretical principles and laboratory experiences related to the planning, manufacturing, assembling, testing, and repairing of parts, mechanisms, and structures in which materials are cast, formed, treated, cut, fused, or otherwise processed in some fashion.

13202 Metalworking

Metalworking courses introduce students to the qualities and applications of various metals and the tools used to manipulate and form metal into products. Through one or more projects involving metals, students develop planning, layout, and measurement skills; gain experience in cutting, bending, forging, casting, and/or welding metal; complete projects according to blueprints or other specifications; and may also learn to polish and finish metals. Correct use of metalworking tools and equipment is stressed.

13203 Machining

Machining courses enable students to create metal parts using various machine tools and equipment. Course content may include interpreting specifications for machines using blueprints, sketches, or descriptions of parts; preparing and using lathes, milling machines, shapers, and grinders with skill, safety, and precision; developing part specifications; and selecting appropriate materials.

13204 Particular Topics in Machining

These courses examine specific topics related to machining, emphasizing a particular type of machine, tool, or procedure, or concentrating on a particular application of machining techniques.

13205 Sheet Metal

Sheet Metal courses expose students to the skills and information necessary to lay out, fabricate, assemble, install, maintain, and repair items and structures created from sheet metal components. Students learn the safe and efficient operation of various tools and typically gain skill in blueprint reading, welding, and finishing and polishing metals.

13206 Particular Topics in Sheet Metal

In these courses students gain knowledge and skills in particular aspects of sheet metal. Examples include individual courses in radial line development, triangulation fabrication, and so

on.

13207 Welding

Welding courses enable students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes), and experience in identifying, selecting, and rating appropriate techniques. Welding courses often include instruction in interpreting blueprints or other types of specifications.

13208 Particular Topics in Welding

In these courses students gain knowledge and skills in particular aspects of welding. Examples include individual courses in each of the following types of welding: gas metal, gas tungsten, and shielded metal and flux core arc welding.

13209 Particular Topics in Metalwork

In these courses students gain knowledge and skills in particular aspects of metalwork (such as foundry work or metallurgy) not otherwise described.

13247 Metalwork—Independent Study

Metalwork—Independent Study courses, often conducted with instructors as mentors, enable students to explore metalwork-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

13248 Metalwork—Workplace Experience

Metalwork—Workplace Experience courses provide students with work experience in the welding, machine technologies, or metalwork fields. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

13249 Metalwork—Other

Repair

13301 Appliance Repair

Appliance Repair courses provide students with the knowledge and experience to repair, install, service, and inspect appliances such as stoves, refrigerators, washers, dryers, air conditioners, water heaters, and so on. Students gain an understanding of the mechanics and working systems of these appliances, the skills to read blueprints and specifications, and proficiency in using related tools and products.

13302 Equipment Maintenance and Repair

Equipment Maintenance and Repair courses prepare students to adjust, maintain, replace, and repair parts of machinery and to repair tools, equipment, and machines. The courses may have a general emphasis or may focus on a specific type of machinery or equipment related to a particular industry. Depending upon the intent, course topics may include electric, hydraulic, or mechanic systems; control devices, valves, and gates; or supplemental equipment such as fans, hoses, and pipes.

13347 Repair—Independent Study

Repair—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to repair. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

13348 Repair—Workplace Experience

Repair—Workplace Experience courses provide students with work experience in the fields involving repair, supported by classroom attendance and discussion. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

13349 Repair—Other

All Others

13995 Manufacturing—Aide

Manufacturing—Aide courses offer interested students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

13997 Manufacturing—Independent Study

Manufacturing—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to manufacturing. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

13998 Manufacturing—Workplace Experience

Manufacturing—Workplace Experience courses provide students with work experience in fields involving manufacturing, supported by classroom attendance and discussion. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

13999 Manufacturing—Other

Comprehensive

14001 Exploration of Health Care Occupations

Exploration of Health Care Occupations courses expose students to the variety of opportunities available within the health care industry (e.g., such as nursing, therapy, dental care, administrative services, and lab technology). These courses provide experiences in several of these occupational clusters, along with information and knowledge related to the health care industry as a whole.

14002 Health Care Occupations—Comprehensive

Health Care Occupations—Comprehensive courses provide students with an orientation to the health care industry and help refine their health care-related knowledge and skills. Topics covered usually include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities.

Therapeutic Services

14051 Nursing

Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). Topics covered typically include normal growth and development; bathing, feeding, dressing, and transporting patients; basic pharmacology; doctor, nurse, and patient relationships and roles; medical and professional ethics; death and dying; and care of various kinds of patients (e.g., chronically ill, children, new mothers, and so on).

14052 Nursing—LPN

Covering the same scope of topics as Nursing courses, Nursing—LPN courses delve into more depth in order to prepare students for the state's practical nurse licensing examination. Nursing—LPN courses offer the knowledge and experience needed to provide nursing care for patients of all ages, in various stages of sickness or health, and with a variety of disease conditions. Additional topics covered may include community health, nutrition, drug therapy and administration, and mental illness.

14053 Home Health Care

Home Health Care courses teach students how to care for individuals within their homes. Course content relates health care practices and procedures to the home environment, and typically includes patient care, comfort, and safety; anatomy and physiology; the prevention of disease and infection; nutrition and meal preparation; human relations; and first aid and CPR. Topics covered

may also include therapy strategies, household management, and employability.

14054 Dental Science

Dental Science courses expose students to the tools, terminology, and procedures necessary for a career in the dental industry. Course content covers a wide range of topics and typically includes dental anatomy and terminology; the identification and use of dental equipment; dental pathologies and procedures; asepsis; dental laboratory procedures; emergency first aid; and the ethical and legal responsibilities of dental care workers. These courses often explore dental specialties and career options.

14055 Emergency Medical Technology

Emergency Medical Technology courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses may also cover the legal and ethical responsibilities involved in dealing with medical emergencies.

14056 Surgical Technology

Surgical Technology courses emphasize the care and needs of patients undergoing surgery while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). In keeping with that focus, topics may include operation room materials, tools, and procedures; aseptic surgical techniques; preparation and handling of surgical instruments; efficiency in the operating room; and the roles of various medical personnel who are present during surgery.

14057 Vision Care

Vision Care courses expose students to the tools, terminology, and procedures necessary for a career in the optometric or optic field. Vision Care courses typically include the physics of light and refraction; the anatomy, physiology, and terminology associated with the eyes; identification and use of optometric and/or optical equipment; optical procedures; human relations; and the ethical and legal responsibilities of vision care workers.

14058 Optometrics

Optometrics courses provide students with the knowledge, ability, and experiences to prepare, assemble, and/or fit corrective lenses prescribed by a physician or optometrist. Topics covered may include layout and marking, cutting and chipping, edging and beveling, inspection, alignment, dispensing, and selection of eyewear.

14059 Gerontology

Gerontology courses provide students with knowledge and understanding of the processes of adult development and aging. Topics covered may include the study of the biological, economic, psychological, social, and health/fitness aspects of the aging process.

14060 Physical Therapy

Physical Therapy courses provide students with the knowledge and skills necessary to work with patients who need to achieve and maintain functional rehabilitation and to prevent malfunction or deformity. Topics covered typically include therapeutic exercises and activities (such as stretching and strengthening), how to train patients to perform the activities of daily living, the use of special equipment, and evaluation of patient progress.

14061 Respiratory Therapy

Respiratory Therapy courses provide students with the knowledge and skills necessary to work with patients who have breathing or other cardiopulmonary difficulties or disorders. Topics covered typically include identifying deficiencies and abnormalities of the cardiopulmonary system, understanding the various methods of therapies, and understanding how to use special equipment.

14062 Care of Athletes

Care of Athletes courses provide students with the knowledge and skills to understand and perform therapeutic tasks that would be designated by an athletic or fitness trainer. Topics covered may include taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, and medical terminology. Students may learn to measure cardiorespiratory endurance, muscular strength and endurance, flexibility, body composition, and blood pressure. More advanced topics may include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes.

14063 Particular Topics in Therapeutic Services

These courses examine particular topics in medical therapeutic services other than those already described.

14097 Therapeutic Services—Independent Study

Therapeutic Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to therapeutic services. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

14098 Therapeutic Services—Workplace Experience

Therapeutic Services—Workplace Experience courses provide students with work experience in fields related to therapeutic services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

14099 Therapeutic Services—Other

Diagnostic Services

14101 Dental Laboratory Technology

Dental Laboratory Technology courses expose students to the principals, tools, terminology, and procedures necessary for a career in a dental laboratory. These courses typically cover many of the same topics as Dental Science, but emphasize making mouth guards, taking impressions, creating various types of dental molds and models, and fabricating prostheses and dental appliances.

14102 Medical Lab Technology

Medical Lab Technology courses provide students with the knowledge and skills necessary for employment in health care-related laboratories. Topics include basic principles of anatomy and physiology, relevant concepts in microbiology and chemistry, and laboratory techniques (including preparation and analysis of various cultures and specimens). The courses may also cover such components as venipuncture, EKG, and CPR procedures.

14103 EKG Technology

In EKG Technology courses, students acquire the knowledge and skills to perform electrocardiograph activities and learn about the cardiovascular system (including its function, diseases, and rhythms); EKG machinery; and the use of drugs and their effects. These courses usually include general health care topics as well, such as basic anatomy and physiology, patient care, first aid and CPR, identification and use of medical equipment, and medical terminology.

14104 Phlebotomy

In Phlebotomy courses, students acquire knowledge, skills, and experiences related to the drawing of blood and typically learn about such topics as infection control, sterilization practices, medical/hospital procedures and environments, diagnostic procedures, and the process of drawing blood.

14105 Particular Topics in Diagnostic Services

These courses examine particular topics in diagnostic services other than those already described.

14147 Diagnostic Services—Independent Study

Diagnostic Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to diagnostic services. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

14148 Diagnostic Services—Workplace Experience

Diagnostic Services—Workplace Experience courses provide students with work experience in fields related to diagnostic services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

14149 Diagnostic Services—Other

Health Information

14151 Medical/Clerical Assisting

Medical/Clerical Assisting courses enable students to develop knowledge and skills that combine the medical and clerical fields. Students typically develop skills such as patient exam preparation, assessment of vital signs, routine lab procedures, medical transcription, financial accounting, patient and insurance company billing, and record-keeping.

14152 Pharmacy Assisting

Pharmacy Assisting courses emphasize the knowledge and skills necessary to assist a pharmacist or pharmacy technician. Course topics and experiences enable students to understand medical terminology, keep and maintain records, label medications, perform computer patient billing, perform stock inventory, and order supplies. These courses also emphasize pharmaceutical classification, drug interactions, and interpersonal/communication skills.

14153 Medical Office Procedures

Medical Office Procedures courses expose students to clerical knowledge, abilities, and procedures as they apply to the medical field. These courses typically include (but are not limited to) topics such as medical transcription, medical insurance, financial accounting, scheduling, and patient record-keeping. Medical terminology and routine medical procedures are covered to provide a context for clerical duties.

14154 Medical Terminology

In Medical Terminology courses, students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

14155 Particular Topics in Health Information

These courses examine particular topics in health Information other than those already described.

14197 Health Information—Independent Study

Health Information—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to health information systems. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

14198 Health Information—Workplace Experience

Health Information—Workplace Experience courses provide students with work experience in fields related to health Information. Goals are typically set cooperatively by the student, teacher, and

employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

14199 Health Information—Other

Support Services

14201 Central Service Technology

Central Service Technology courses provide students with knowledge and skills related to the procurement, handling, storage, and distribution of sterile goods and equipment. Course components usually include quality assurance, infection control and isolation techniques, medical terminology and processes, decontamination and sterilization, microbiology, and chemistry.

14202 Health Support Services

Health Support Services courses provide students with knowledge and skills to be used in activities that support patients' primary health care, such as counseling, health education, disease management, and risk reduction. Because support services can be widely defined, course topics typically also include general health care, such as anatomy and physiology, medical terminology, first aid and CPR procedures, and ethical and legal responsibilities.

14203 Health Unit Coordination

Health Unit Coordination courses provide students with instruction and experiences so that they can manage components of nonpatient care activities in health care facilities. Topics covered usually include medical terminology, transcription, and general reception duties and responsibilities; record-keeping; and stocking medical and office supplies and equipment.

14204 Particular Topics in Health Support Services

These courses examine particular topics in health support services other than those described.

14247 Health Support Services—Independent Study

Health Support Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to health support services. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

14248 Health Support Services—Workplace Experience

Health Support Services—Workplace Experience courses provide students with work experience in careers related to health support services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

14249 Health Support Services—Other

Health Sciences

14251 Health Science

Health Science courses integrate chemistry, microbiology, chemical reactions, disease processes, growth and development, and genetics with anatomy and physiology of the body systems. Typically, these courses reinforce science, mathematics, communications, health, and social studies principles and relate them to health care.

14252 Biotechnology

Biotechnology courses involve the study of the bioprocesses of organisms, cells, and/or their components and enable students to use this knowledge to produce or refine products, procedures, and techniques. Course topics typically include laboratory measurement, monitoring, and calculation; growth and reproduction; chemistry and biology of living systems; quantitative problem-solving; data acquisition and display; and ethics. Advanced topics may include elements of biochemistry, genetics, and protein purification techniques.

14253 Pharmacology

Pharmacology courses involve a study of how living animals can be changed by chemical substances, especially by the actions of drugs and other substances used to treat disease. Basic concepts of physiology, pathology, biochemistry, and bacteriology are typically brought into play as students examine the effects of drugs and their mechanisms of action.

14254 Particular Topics in Health Sciences

These courses examine particular topics in health sciences other than those already described.

14297 Health Sciences—Independent Study

Health Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore health-related topics of interest. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

14298 Health Sciences—Workplace Experience

Health Sciences—Workplace Experience courses provide students with work experience in fields involving the health sciences. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

14299 Health Sciences—Other

All Others

14995 Health Care Sciences—Aide

Health Care Sciences—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

14997 Health Care Sciences—Independent Study

Health Care Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore health-related topics of interest. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

14998 Health Care Sciences—Workplace Experience

Health Care Sciences—Workplace Experience courses provide students with work experience in the health care industry. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

14999 Health Care Sciences—Other

Subject Area 15: Public, Protective, and Government Services (secondary)

15001 Exploration of Public Service Careers

Exploration of Public Service Careers courses expose students to the duties, responsibilities, requirements, and career opportunities within public service. Course topics vary and may include (but are not limited to) protective services; correction, judicial, and probation services; fire protection and fire fighting; public administration; and social work. Course activities depend upon the career clusters that students explore.

Law Enforcement

15051 Criminal Justice

Criminal Justice courses train students to understand and apply the principles and procedures essential to the U.S. criminal justice system. These courses explore the principles and structure of the justice system and the law, and course content also typically includes investigation, search and arrest, and laboratory, forensic, and trial procedures. Students may also learn CPR and first aid skills, personal defense tactics, and crime prevention techniques.

15052 Corrections

Corrections courses provide instruction regarding the principles and techniques used by institutions that incarcerate, rehabilitate, and monitor people accused or convicted of crimes.

15053 Particular Topics in Law Enforcement

These courses examine specific topics related to law enforcement (such as forensic science), rather than provide a general study of the field.

15097 Law Enforcement—Independent Study

Law Enforcement—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to law enforcement. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

15098 Law Enforcement—Workplace Experience

Law Enforcement—Workplace Experience courses provide work experience in fields related to law enforcement. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

15099 Law Enforcement—Other

Security and Protection

15101 Public Safety

Public Safety courses introduce students to the field of public safety and extend their knowledge and skills pertaining to the safety and security of homes, workplaces, and the community. These courses cover such topics as policing, law enforcement, emergency service, and private security and corrections and may cover all or a subset of these services.

15102 Security Services

Security Services courses provide instruction regarding the safety and security of buildings and facilities and may extend these lessons to include the security and safety of one's self and other human beings.

15103 Particular Topics in Security

These courses examine specific topics related to security and protective services, rather than provide a general study.

15147 Security and Protection—Independent Study

Security and Protection—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related the security and protection of the public. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

15148 Security and Protection—Workplace Experience

Security and Protection—Workplace Experience courses provide work experience in fields related to security and protection. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

15149 Security and Protection—Other

Fire Management

15151 Fire Science

Fire Science courses introduce students to the field of fire prevention and control and enable them to extend their knowledge through the use of chemical, physical, and engineering principles to understand factors involved in fires. Course topics typically include the chemistry of combustion, factors that influence fire (such as structural design and meteorology), and safety procedures.

15152 Fire Fighting

Fire Fighting courses offer students the opportunity to learn fire prevention and control under controlled conditions. Typically, students learn about the organization, rules, requirements, and regulations of fire departments; study and practice the tools and techniques used by firefighters to control or extinguish fires; and examine the behavior of fires. These courses also usually include emergency medical procedures and present fire investigation techniques.

15153 Particular Topics in Fire Management

These courses examine specific topics related to fire management (such as hazardous materials handling), rather than provide a general study of the field.

15197 Fire Management—Independent Study

Fire Management—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related fire management. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

15198 Fire Management—Workplace Experience

Fire Management—Workplace Experience courses provide work experience in fields related to fire management. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

15199 Fire Management—Other

Government Service

15201 Public Administration

Public Administration courses provide an overview of the structure, roles, and duties of public governments and associated agencies. These courses explore the foundation and evolution of the public service sector, issues related to the provision of services by governmental bodies, and the missions and constraints of various departments within local and state governments. In addition, students may explore a particular public administration topic (such as the tax base and structure, the legislative process, selection of public servants, resource management, and so on) in greater detail.

15202 Community Protection

Community Protection courses provide students with information regarding the personnel and agencies concerned with protection of the home, city, state, and nation. Topics covered typically include civil defense and disaster preparedness; crime prevention; pollution control; fire prevention and control; legal and social systems and principles; and public health. These topics may be explored from the viewpoint of a community resident and citizen using these services or of that of one interested in pursuing a public service career.

15203 Public Policy

Public Policy courses provide students with the opportunity to design, propose, and analyze programs and policies implemented by government agencies. Activities typically include identifying social issues and problems, generating recommendations, using data to quantify the extent of a problem or evaluate its solution, communicating ideas and findings, and understanding decision-making processes.

15247 Government Service—Independent Study

Government Service—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related the provision of government services. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

15248 Government Service—Workplace Experience

Government Service—Workplace Experience courses provide work experience in fields related to government service. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

15249 Government Service—Other

All Others

15995 Public, Protective, and Government Service—Aide

Public, Protective, and Government Service—Aide courses offer students the opportunity to

assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

15997 Public, Protective, and Government Service—Independent Study

Public, Protective, and Government Service—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to public, protective, and government service. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

15998 Public, Protective, and Government Service—Workplace Experience

Public, Protective, and Government Service—Workplace Experience courses provide students with work experience in a field related to public, protective, and/or government service. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

15999 Public, Protective, and Government Service—Other

Subject Area 16: Hospitality and Tourism (secondary)

16001 Exploration of Hospitality Careers

Exploration of Hospitality Careers courses survey a wide array of topics while exposing students to the variety of career opportunities in hospitality fields (such as food service, lodging, tourism, and recreation). These courses serve to introduce students to the general field of hospitality, providing an opportunity to identify a focus for continued study.

Restaurant, Food and Beverage Services

16051 Exploration of Restaurant, Food, and Beverage Services

Exploration of Restaurant, Food, and Beverage Services courses provide students with an overview of the restaurant, food, and beverage service industry. Topics covered include industry terminology, the history of restaurant, food, and beverage services, introduction to marketing, and the various careers available in the industry.

16052 Restaurant, Food, and Beverage Services—Comprehensive

Restaurant, Food, and Beverage Services—Comprehensive courses provide students with knowledge and skills related to commercial and institutional food service establishments. Course topics range widely, but usually include sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and quantity food production), and meal planning and presentation. Restaurant, Food, and Beverage Service courses may include both "back-of-the-house" and "front-of-the-house" experiences, and may therefore also cover reservation systems, customer service, and

restaurant/business management.

16053 Food Service

Food Service courses provide instruction regarding nutrition, principles of healthy eating, and the preparation of food. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, sanitation, management, and the careers available in the food service industry.

16054 Nutrition and Food Preparation

Nutrition and Food Preparation courses provide students with knowledge and skills about food preparation and/or production, with a strong emphasis on nutrition, balanced diets, and satisfying special dietary needs. Topics typically include assessing nutrient content, the science of food and nutrition, physiology and utilization of nutrients. Course content may also cover additives, contaminants, food-borne illnesses, and food technology.

16055 Restaurant Management and Operations

Restaurant Management and Operations courses provide students with knowledge and skills related to commercial and institutional food service establishments, with an emphasis on management. Course topics therefore include guest service and relationships, planning, resource management, and other topics related to managing and operating restaurants.

16056 Culinary Art Specialty

Culinary Art Specialty courses provide instruction in a particular type of cooking or culinary style. Examples of such specialty fields include baking, creating and decorating wedding cakes, Middle Eastern cuisine, and so on. These courses emphasize skills specific to the type of culinary art being studied.

16057 Particular Topics in Restaurant, Food, and Beverage Services

These courses examine specific topics related to Restaurant, Food, and Beverage Services, such as catering, rather than provide a general study of the industry or of specific topics already described.

16097 Restaurant, Food, and Beverage Services—Independent Study

Restaurant, Food, and Beverage Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the restaurant, food, and beverage services industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

16098 Restaurant, Food, and Beverage Services—Workplace Experience

Restaurant, Food, and Beverage Services—Workplace Experience courses provide work experience in fields related to restaurant, food, and beverage services. Goals are typically set

cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

16099 Restaurant, Food, and Beverage Services—Other

Lodging

16101 Exploration of Lodging Careers

Exploration of Lodging Careers courses provide an overview of the lodging industry. Topics covered include lodging terminology, the history of lodging, introduction to marketing, and the various careers available in the lodging industry.

16102 Lodging—Comprehensive

Lodging—Comprehensive courses introduce students to the lodging industry and refine their related knowledge and skills. Topics covered typically include property management, guest psychology and relationships, lodging operations, food and beverage services, and other topics related to support services within the lodging industry.

16103 Institutional Maintenance

Institutional Maintenance courses present the knowledge and skills required for service work within institutions. Topics covered typically include housekeeping and laundry services, care and cleaning of facilities, and safety and sanitation procedures, in addition to career opportunities, business responsibilities, and other types of ongoing maintenance.

16104 Particular Topics in Lodging

These courses examine specific topics in lodging such as convention planning or hotel management rather than provide a general study of the industry or of specific topics already described.

16147 Lodging—Independent Study

Lodging—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the lodging industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

16148 Lodging—Workplace Experience

Lodging—Workplace Experience courses provide work experience in fields related to lodging. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

16149 Lodging—Other

Travel and Tourism

16151 Introduction to Travel and Tourism

Introduction to Travel and Tourism courses provide an overview of the travel and tourism industry. Topics covered in this course may include travel and tourism terminology, the history of travel, introduction to marketing, and the various careers available in travel and tourism.

16152 Travel and Tourism—Comprehensive

Travel and Tourism—Comprehensive courses provide the knowledge and skills necessary to work in the travel industry such as sales techniques, marketing principles, and entrepreneurial skills. Additional skills learned in these courses typically include travel agency procedures, airline reservation systems, public relations, hotel/motel registration systems and services, and conference and convention planning.

16153 World Travel and Tourism

World Travel and Tourism courses provide the knowledge and skills necessary to work in the travel industry, with a focus on travel outside of the United States. Topics covered may include geography of the continents; customs, cultures, and tourist destinations in other countries; special documentation needed for international travel; and planning events to client specifications.

16154 Eco-tourism

Eco-tourism courses provide the knowledge and skills necessary to work in the travel industry, with particular attention paid to conservation and environmental issues surrounding travel and tourism. Topics covered may include recreational opportunities related to on- and off-site attractions and environmental and ecological principles.

16155 Particular Topics in Travel and Tourism

These courses examine specific topics in travel and tourism such as the airline reservation and ticketing system rather than provide a general study of the industry or of specific topics already described.

16197 Travel and Tourism—Independent Study

Travel and Tourism—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the travel and tourism industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

16198 Travel and Tourism—Workplace Experience

Travel and Tourism—Workplace Experience courses provide work experience in fields related to travel and tourism. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom

activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

16199 Travel and Tourism—Other

Recreation, Amusement and Attractions

16201 Exploration of Recreation, Amusement, and Attractions

Exploration of Recreation, Amusement, and Attractions courses provide an overview of the recreation industry. Topics covered in this course may include industry terminology; the history of recreation, amusement, and attractions; introduction to marketing; and the various careers available in the industry.

16202 Recreation, Amusement, and Attractions—Comprehensive

Recreation, Amusement, and Attractions—Comprehensive courses provide students with the attitudes, skills, and knowledge needed for employment in theme parks, attractions and outdoor recreation facilities, exhibitions, and event planning. Topics covered may include planning trade shows, fairs, and conferences; outdoor recreation and management; financial transactions; salesmanship; guest services and satisfaction; culture and customs; computer and industry technology; eco-tourism; client information; and planning specialized events while incorporating themes, timelines, budgets, target audiences, agendas, and public relations.

16203 Particular Topics in Recreation, Amusement, and Attractions

These courses examine specific topics in recreation, amusement, and attractions such as local opportunities rather than provide a general study of the industry.

16247 Recreation, Amusement, and Attractions—Independent Study

Recreation, Amusement, and Attractions—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the recreation, amusement, and attractions industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

16248 Recreation, Amusement, and Attractions—Workplace Experience

Recreation, Amusement, and Attractions—Workplace Experience courses provide work experience in fields related to recreation, amusement, and attractions. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

16249 Recreation, Amusement, and Attractions—Other

All Others

16995 Hospitality and Tourism—Aide

Hospitality and Tourism—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

16997 Hospitality and Tourism—Independent Study

Hospitality and Tourism—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the hospitality and tourism industry. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

16998 Hospitality and Tourism—Workplace Experience

Hospitality and Tourism—Workplace Experience courses provide work experience in fields related to hospitality and tourism. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

16999 Hospitality and Tourism—Other

Subject Area 17: Architecture and Construction (secondary)

Construction-General

17001 Construction Careers Exploration

Construction Career Exploration courses expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields.

17002 Construction—Comprehensive

Construction—Comprehensive courses provide students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance.

17003 Carpentry

Carpentry courses provide information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods and to learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Carpentry courses may teach skills for rough construction, finish work, or both. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills.

17004 Framing Carpentry

Framing Carpentry courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation and painting.

17005 Particular Topics in Carpentry

These courses cover specific aspects of building construction or carpentry. All coursework focuses upon a particular skill or set of skills related to one subtopic, such as floor framing, wall and partition framing, interior finishing, or exterior finishing.

17006 Woodworking

Woodworking courses introduce students to the various kinds of woods used in industry and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized. As students advance, they focus on learning the terminology necessary to use power tools successfully, developing skills to safely use these tools in the workshop and becoming familiar with various kinds of wood-finishing materials. Advanced students typically design a project, prepare bills of materials, construct, and finish proposed projects.

17007 Cabinetmaking

Cabinetmaking courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in Woodworking courses; more advanced topics may include how to install plastic laminates on surfaces and how to apply spray finishes.

17008 Masonry

Masonry courses enable students to learn to construct interior and exterior walls, columns, doorways, window openings, fireplaces, chimneys, and foundations from brick and concrete block. Along with other activities, students may mix and spread cement and mortar, read blueprints and plans, and estimate materials needed for a project. Other topics may also include how to layout

buildings on footings and how to establish grades using a surveying transit.

17009 Building Maintenance

Building Maintenance courses train students to maintain commercial, industrial, and residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical, and other mechanical systems. Topics covered may include identifying and using hand and power tools safely; installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared surfaces; and repairing roofs, masonry, plumbing, and electrical systems.

17010 Home Maintenance

Home Maintenance courses provide students with knowledge and skills related to devices and systems found in the home. Course content may include electrical wiring, plumbing, window and door repair and installation, wall and floor repair and finishing, furniture repair and finishing, and small appliance repair.

17011 Wall Finishings

Wall Finishings courses prepare students to finish exterior or interior surfaces by applying protective coating materials such as paint, lacquer, wallpaper, plaster, or stucco. Course topics may include instruction in making, mixing, and matching paint colors; applying coating with various types of equipment; applying wallpaper; lathing, preparing surfaces, smoothing, and finishing.

17012 Upholstering

Upholstering courses prepare students in all aspects of upholstering furniture. Topics covered may include installing, repairing, arranging, and securing the springs, filler, padding and cover materials of chairs, couches and mattresses; cutting, sewing and trimming; cushion filling, tufting, and buttoning; and wood refinishing.

17047 General Construction—Independent Study

General Construction—Independent Study courses, often conducted with instructors as mentors, enable students to explore construction-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

17048 General Construction—Workplace Experience

General Construction—Workplace Experience courses provide work experience in a field related to construction. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

17049 General Construction—Other

17051 Air Conditioning

Air Conditioning courses offer students specialized training related to the design, installation, and repair of air conditioning systems for residential and commercial use. These courses may emphasize the theory and design of electrical, electronic, mechanical, and pneumatic control systems used in air conditioning systems; they might also (or instead) focus on procedures used in troubleshooting, servicing, and installing components of air conditioning systems.

17052 Refrigeration

Refrigeration courses provide students with exposure to and training in the theories, equipment, and skills needed to design, install, and repair commercial and residential refrigeration systems. Course topics typically include the theory of thermodynamics, measurement of pressures and temperatures, components and common accessories of refrigeration systems, and repair and safety procedures.

17053 Heating

Heating courses offer students training specific to the design, installation, and repair of heating systems for residential use. Topics typically include electric, gas, and/or steam systems; ventilation procedures; safety practices; and installation and trouble-shooting techniques.

17054 Air Conditioning/Refrigeration

Air Conditioning/Refrigeration courses enable students to develop the combined skills and knowledge to install, maintain, adjust, and repair both air conditioning and refrigeration systems.

17055 Air Conditioning, Heating, and Refrigeration

In Air Conditioning, Heating, and Refrigeration courses, students learn the basic principles of these systems, along with how to identify and safely use tools/equipment used in the trade.

17056 Heating, Ventilation, and Air Conditioning

These courses synthesize basic and advanced principles in heating, ventilation, and air conditioning and include topics such as air filtration methods, humidity control, and the installation and maintenance of heat pumps, furnaces, and air conditioners. Students also learn about climate control systems; electrical wiring; systems design; sizing, fabricating, and installing ductwork; installing and maintaining climate control systems; and safety.

17057 Particular Topics in HVACR

These courses offer students specialized training in aspects or topics that are common to various climate control systems (heating, ventilation, air conditioning, and refrigeration systems); such topics may include electrical components, diagrams and blueprints, welding and soldering techniques, and so on.

17058 Plumbing

Plumbing courses provide students with instruction in installing waste and vent systems, water and gas pipes, trim, and fixtures. Skills taught include cutting and joining various types of pipe (for instance, steel, plastic) using various methods (cement, seat method, and so on).

17059 Plumbing and Heating

Plumbing and Heating courses address the installation, assembly, maintenance, and repair of piping, plumbing, heating equipment, and water and drainage systems. Topics covered include the computation of heat losses and BTU requirements and blueprint reading. Students gain experience with electric, gas, and oil furnaces; vacuum pumps; air compressors; and mechanical and pneumatic testing equipment.

17097 Air Conditioning, Heating, and Plumbing—Independent Study

Air Conditioning, Heating, and Plumbing—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to air conditioning, heating and plumbing. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

17098 Air Conditioning, Heating, and Plumbing—Workplace Experience

Air Conditioning, Heating, and Plumbing—Workplace Experience courses provide work experience in a field related to air conditioning, heating, and/or plumbing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

17099 Air Conditioning, Heating, and Plumbing—Other

Electricity/Electronics

17101 Exploration of Electricity/Electronics

Exploration of Electricity/Electronics courses offer instruction in the theory of electricity and in the terminology, skills, and safety procedures common to careers involving electricity and electronics. Topics include (but are not limited to) Ohm's law, electrical equipment, wire systems, and so on; career exploration is often (but not always) an integral part of these courses.

17102 Electricity—Comprehensive

Electricity—Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. These courses typically include AC and DC circuitry, safety, and the National Electrical Code and may cover such skills as those involved in building circuits; wiring residential, commercial, and/or industrial buildings; installing lighting, power circuits, and cables; and estimating job costs. As students progress, their projects become more complex and expansive. In these courses, safety is stressed, and a career exploration component may be offered.

17103 Residential Wiring

Covering many of the same topics as Electricity—Comprehensive courses, Residential Wiring courses apply the knowledge and skills that students acquire to the electrical systems found in family dwellings. Because these courses emphasize residential electricity, topics may also include cable installation, telephone systems, and the installation of lighting fixtures, outlets, and so on. Maintenance and repair skills are often included as course topics.

17104 Industrial Electricity

Covering many of the same topics as Electricity—Comprehensive courses, Industrial Electricity courses apply the knowledge and skills that students acquire to the electrical systems used in industry. Because of this emphasis, these courses may also cover the installation of transformers and control devices, emergency generator systems, and other industrial applications.

17105 Particular Topics in Electricity

These courses provide students with specialized knowledge and help them develop skills in particular topics concerning the nature, behavior, and application of electrical current.

17106 Electronics—Comprehensive

Electronics—Comprehensive courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electronic field as well as typically cover the theory of electricity. Course topics may include AC, DC, analog, and integrated circuitry and solid state and digital devices, amplifiers, and semiconductors. Skills covered may involve the repair, maintenance, and building of electronic equipment such as radios, television sets, and industrial equipment.

17107 Particular Topics in Electronics

Individual courses in this category offer specialized training in topics related to electronics such as diodes, transistors, digital techniques, solid-state devices, analog circuits, and microprocessors.

17108 Electricity/Electronics—General

Electricity/Electronics—General courses teach fundamental concepts of electricity and electronics, including safety procedures, and may introduce students to the available occupations in electrical and electronic industries. Topics covered typically include components of circuits; reading schematics and diagrams; electricity and electronics as sources of energy; signal transmission; and using equipment common to these occupations, such as ammeters, voltmeters, capacitor checkers, transistor testers, signal generators, and ohmmeters.

17109 Particular Topics in Electricity/Electronics

These courses provide instruction in the theory and skills needed in fields involving electricity and electronics and related fields that focus on electrical wiring or electronic signals.

17110 Analog and Digital Circuits

In these courses, analog and digital circuits and systems are compared. Topics covered include binary and continuously variable currents and signals (typically in the context of voltage), waveforms, signal loss and distortion, modulation, and signal processing. These courses may also introduce other media, such as sound waves and liquids.

17111 Analog Circuits

Analog Circuit courses emphasize currents and voltages that have continuously variable signals and, due to that emphasis, concentrate on signal modulation, transmission and reception, signal loss and distortion, and waveforms. These courses may also address conversion techniques.

17112 Digital Circuits

Digital Circuit courses emphasize currents and voltages that have binary states and, due to that emphasis, concentrate on transmission and reception of binary data, signal loss, and processing circuitry. These courses may also address conversion techniques.

17147 Electricity/Electronics—Independent Study

Electricity/Electronics—Independent Study courses, often conducted with instructors as mentors, enable students to explore electricity- or electronics-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

17148 Electricity/Electronics—Workplace Experience

Electricity/Electronics—Workplace Experience courses provide students with work experience in a field related to electricity and/or electronics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

17149 Electricity/Electronics—Other

All Others

17995 Architecture and Construction—Aide

Architecture and Construction—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

17997 Architecture and Construction—Independent study

Architecture and Construction—Independent Study courses, often conducted with instructors as mentors, enable students to explore architecture and construction-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more

advanced skills.

17998 Architecture and Construction—Workplace Experience

Architecture and Construction—Workplace Experience courses provide students with work experience in a field related to architecture or construction. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

17999 Architecture and Construction—Other

Subject Area 18: Agriculture, Food, and Natural Resources (secondary)

Comprehensive

18001 Introduction to Agriculture and Natural Resources

Introduction to Agriculture courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). These courses serve to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills.

18002 Agriculture—Comprehensive

Agriculture—Comprehensive courses cover a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. They may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science.

18003 Agriculture and Natural Resources—Comprehensive

Agriculture and Natural Resources—Comprehensive courses cover a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; business operations and management; and the careers available in the agricultural/natural resources industry. They may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science.

Plant Systems

18051 Plant Production/Science

Plant Production/Science courses provide knowledge about the propagation of plants for

food and fiber. These courses may cover such topics as soil science, irrigation, pest and weed control, food and fiber processing, and farm operations. They may also cover the knowledge and skills needed to produce all types of crops or may emphasize a particular area of the agricultural industry.

18052 General Horticulture

General Horticulture courses expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design.

18053 Ornamental Horticulture

Similar to General Horticulture, Ornamental Horticulture courses provide information regarding the care and propagation of plants, flowers, trees, and shrubs, but place a special emphasis on those used for decorative and aesthetic purposes. Because of this particular emphasis, Ornamental Horticulture courses usually concentrate on nurseries and greenhouses and on the floristry industry.

18054 Turf and Landscape Management

Turf and Landscape Management courses provide instruction that incorporates plant science, soil and media mixtures, plant identification and optimal environments, and landscape design. These courses emphasize applying such knowledge and skill to the design, establishment, and maintenance of lawns, parks, open space, and similar environments.

18055 Soil Science

Soil Science courses involve the study of soil properties, including soil chemistry, biology, fertility, mineralogy, and hydrology. Topics covered may also include soil conservation, irrigation, and management.

18056 Particular Topics in Plant Systems

These courses examine specific topics related to Plant Systems, such as floral design, hydroponics, or landscaping, rather than provide a general study of plant systems or horticulture.

18097 Plant Systems—Independent Study

Courses in Plant Systems—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to plant systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

18098 Plant Systems—Workplace Experience

Plant Systems—Workplace Experience courses provide work experience in fields related to plant systems (care, propagation, and processing). Goals are typically set cooperatively by the

student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

18099 Plant Systems—Other

Animal Systems

18101 Animal Production/Science

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

18102 Small Animal Care

Small Animal Care courses focus on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study. Course topics may include kennel operations and sales.

18103 Large Animal Care

Large Animal Care courses focus on the care and management of large animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study. Course topics may include product processing and marketing.

18104 Equine Science

Equine Science courses focus on the care and management of horses. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study.

18105 Veterinary Science

Veterinary Science courses impart information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior, and reproduction, but may also include other areas of study as appropriate.

18106 Particular Topics in Animal Systems

These courses examine specific topics related to animal care and management, production, or processing, such as equine training or animal waste management, rather than provide a general study of animal care and the systems related to their growth and management.

18147 Animal Systems—Independent Study

Courses in Animal Systems—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to animal systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

18148 Animal Systems—Workplace Experience

Animal Systems—Workplace Experience courses provide work experience in fields related to animal systems (management, care, and/or processing). Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

18149 Animal Systems—Other

Agribusiness

18201 Agribusiness Management

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

18202 Agricultural Entrepreneurship

Agricultural Entrepreneurship courses focus on the personal skills necessary for success in entrepreneurial ventures in the agricultural industry. Topics include setting goals, assessing and solving problems, evaluating financial progress and success, business planning, information management and evaluation, and recordkeeping.

18203 Agricultural Leadership

Agricultural Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities.

18204 Particular Topics in Agribusiness

These courses examine specific topics related to Agribusiness, such as international agriculture or commodities, rather than provide a general study of agribusiness principles.

18247 Agribusiness—Independent Study

Courses in Agribusiness—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to agribusiness. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

18248 Agribusiness—Workplace Experience

Agribusiness—Workplace Experience courses provide work experience in fields related to agribusiness. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

18249 Agribusiness—Other

Agricultural Production/Processing

18301 Agricultural Production

Agricultural Production courses combine content related to animal and plant production, providing comprehensive coverage of the production functions of the agricultural industry. These courses typically cover such topics as care and management of farm animals, crop production and harvesting, plant and animal insect and disease control, efficient resource management, and farm management.

18302 Agricultural Processing

Agricultural Processing courses impart the knowledge and skills needed to bring animal and plant products to market. They may cover a wide variety of topics, including care and maintenance of animals or plants, quality selection and preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Agricultural Processing courses may present an overview of agricultural processing or may specialize in particular types of products.

18303 Plant Processing

Plant Processing courses impart the knowledge and skills needed to bring plant products to market. They may cover a wide variety of topics, including plant production, quality selection and preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Plant Processing courses may present an overview of product processing or may specialize in specific plant products.

18304 Animal Processing

Animal Processing courses impart the knowledge and skills needed to bring animal products to market. Although these courses may present an overview of animal care and maintenance, they typically emphasize quality selection, product preservation, equipment care and sanitation, government regulations, and marketing and consumer trends. Animal Processing courses may present an overview of several types of animal products or may specialize in particular products, such as

meat, leather, wool, dairy products, and so on.

18305 Food Product Processing

Food Product Processing courses impart the knowledge and skills needed to produce and manufacture food products for the consumer market. These courses focus on food products while covering a variety of topics, such as quality selection and preservation, equipment care and sanitation, government regulations, marketing, consumer trends, and product research and development.

18306 Aquaculture

Aquaculture courses impart the knowledge and skills needed for producing fish, plants, and other species living in an aquatic environment, and course topics typically include the selection, propagation, harvesting, and marketing of those species. Instruction may also address aquatic and marine biology, ecosystems, water quality and management, and business practices.

18307 Agriculture and Society

Agriculture and Society courses provide an overview of the importance of, impact on, and relationships between agricultural endeavors and society at large. These courses typically emphasize economic and environmental factors and impacts (such as urban and agricultural water use) and the influences of society on agricultural endeavors (including production, processing, and distribution). Current technological advances (such as genetic engineering) may also be discussed.

18308 Agricultural Biotechnology

Agricultural Biotechnology courses apply biological principles and understanding to plant and animal science in order to produce or refine agricultural products. Course topics typically include but are not limited to microbiology, genetics, growth and reproduction, structural basis of function in living systems, chemistry of living systems, quantitative problem-solving, and data acquisition and display. These courses also often cover the ethics of biotechnology.

18309 Particular Topics in Agricultural Production/Processing

These courses examine specific topics related to producing and processing agricultural products (such as meat cutting) rather than provide a general study of production or processing.

18347 Agricultural Production and Processing—Independent Study

Courses in Agricultural Production and Processing—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to agricultural production and processing. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

18348 Agricultural Production and Processing—Workplace Experience

Agricultural Production and Processing—Workplace Experience courses provide students

with work experience in fields related to agricultural production and processing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

18349 Agricultural Production and Processing—Other

Agricultural Mechanics and Construction

18401 Agriculture Mechanics/Equipment/Structures

Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.

18402 Agriculture Mechanics and Equipment

Agriculture Mechanics and Equipment courses provide students with the engineering and power technology principles, skills, and knowledge that are specifically applicable to the agricultural industry. Typical topics include the operation, maintenance, and repair of power, electrical, hydraulic, and mechanical systems.

18403 Agriculture Structures

Agriculture Structures courses provide students with the skills and knowledge that are specifically applicable to the construction, maintenance, and repair of structures integral to the agricultural industry, including but not limited to animal enclosures, irrigation systems, and storage facilities. In these courses, students typically study design, planning, and construction knowledge and skills (such as survey, carpentry, plumbing, concrete, and electrical systems), in addition to the safe operation of tools and machines.

18404 Agriculture Welding

Agriculture Welding courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. In learning to apply basic industrial knowledge and skills (engines, power, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; an introduction or review of electricity and power; and safety procedures.

18405 Particular Topics in Agricultural Mechanics and Construction

These courses examine specific topics related to agricultural mechanics and construction, such as specific vehicles or structures, rather than provide a general study of mechanics and construction

techniques.

18447 Agricultural Mechanics and Construction—Independent Study

Courses in Agricultural Mechanics and Construction—Independent Study, often conducted with instructors as mentors, enable students to topics of interest related to agricultural mechanics and/or construction. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

18448 Agricultural Mechanics and Construction—Workplace Experience

Agricultural Mechanics and Construction—Workplace Experience courses provide work experience in fields related to agricultural mechanics and construction. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

18449 Agricultural Mechanics and Construction—Other

Natural Resources

18501 Wildlife Management

Often with an emphasis on the conservation of natural resources and frequently including outdoor recreation topics, Wildlife Management courses provide students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable nondomesticated animals to thrive. Wildlife Management courses emphasize how humans and animals may both take advantage of the same land or how to gain economic benefits from the land while not degrading its natural resources or depleting plant or animal populations.

18502 Forestry

Forestry courses provide students with the information and experience necessary for the cultivation, management, and care of forests or timberlands. Forestry courses cover topics such as the processes of regeneration and reforestation, harvesting and conservation of natural resources, erosion and pest control, trail development and maintenance, mapping and surveying, operation of forestry tools, government regulations, environmental stewardship, and recreational use of forests.

18503 Forestry Harvesting

Forestry Harvesting courses involve the study of methods to manage, protect, and harvest timber stands and specialty forest crops; equipment maintenance and repair; the selection, planting, transplanting, and harvesting of trees; forest management; and safety procedures.

18504 Natural Resources Management

Natural Resources Management courses combine the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within

the general area of natural resources management, these courses usually cover specific topics and uses, such as hunting or fishing preserves, forest production and management, wildlife preservation, and human outdoor recreation.

18505 Particular Topics in Natural Resources

These courses examine specific topics related to natural resources, such as urban forestry or hunter education, rather than provide a general study of natural resource principles and topics.

18547 Natural Resources—Independent Study

Courses in Natural Resources—Independent Study, often conducted with instructors as mentors, enable students to explore topics of interest related to natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

18548 Natural Resources—Workplace Experience

Natural Resources—Workplace Experience courses provide students with work experience in fields related to natural resources. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

18549 Natural Resources—Other

All Others

18995 Agriculture, Food, and Natural Resources—Aide

Agriculture, Food, and Natural Resources—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

18997 Agriculture, Food, and Natural Resources—Independent Study

Courses in Agriculture, Food, and Natural Resources—Independent Study, often conducted with instructors as mentors, enable students to explore topic of interest related to agriculture, food, and natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

18998 Agriculture, Food, and Natural Resources—Workplace Experience

Agriculture, Food, and Natural Resources—Workplace Experience courses provide students with work experience in fields related to agriculture, food, and natural resources. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

18999 Agriculture, Food, and Natural Resources—Other

Subject Area 19: Human Services (secondary)

19001 Human Services Career Exploration

Human Services Career Exploration courses introduce and expose students to the career opportunities pertaining to the provision of personal and consumer services for other human beings. Course topics vary and may include (but are not limited to) caring for others, education, cosmetology, apparel/textiles, entrepreneurship, labor laws, and customer service. Course activities depend upon the careers being explored.

Child and Elder Care

19051 Child Care

Child Care courses provide students with knowledge about the physical, mental, emotional, and social growth and development of children from birth through childhood. Main topics include the fundamentals of working with infants, toddlers, and older children; providing healthy environments; evaluating child care settings; and the practices, regulations, and opportunities in the child care industry. Often, Child Care courses provide students with practical experience in a child care center. Advanced topics may include various learning theories; development of activities; operation of a child care center; recognition of childhood diseases, abuse, and neglect; and first aid/emergency training.

19052 Child Development

Child Development classes provide students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age, emphasizing the application of this knowledge in child care settings. These courses typically include related topics such as the appropriate care of infants, toddlers, and young children.

19053 Elder Care

Elder Care courses emphasize the care of human beings as they grow older. These courses involve the study of the biological, physiological, social, and psychological needs and concerns of the elderly, and deal with the aging process, death, and dying in a realistic manner. Elder Care courses may cover work and personal habits appropriate to the field, and may also offer the opportunity to explore various careers.

19054 Caregiving Service

Caregiving Service courses emphasize the care of human beings who are unable or who need assistance to care for themselves. These courses involve the study of the biological, physiological, social, and psychological needs and concerns of young children, the elderly, and/or the disabled. Additional topics may include planning daily routines; appropriate environments and activities; growth and aging processes; and techniques for managing a center or working in others' homes.

19055 Particular Topics in Child and Elder Care

These courses examine specific topics related to child and elder care, such as regulations of the industry or caring for people with special needs, rather than providing a general study of child and elder care.

19097 Child and Elder Care—Independent Study

Child and Elder Care—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to child and elder care. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

19098 Child and Elder Care—Workplace Experience

Child and Elder Care—Workplace Experience courses provide students with work experience in fields related to caring for others. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

19099 Child and Elder Care—Other

Cosmetology

19101 Cosmetology—Licensing

Cosmetology—Licensing courses provide students with the knowledge and skills applicable to the care of hair, skin, and nails, and prepare students for the state's Board of Cosmetology examinations. Almost always a series of courses with a specified number of instructional hours, Cosmetology—Licensing courses also require applied experience. Course content covers such topics as human anatomy and skin conditions, chemistry and bacteriology, sanitation and sterilization, state laws and regulations, and shop management. These courses provide students with experiences in shampooing, cutting, styling, bleaching, coloring, tinting, waving, and relaxing hair and providing facials and manicures.

19102 Barbering

Barbering courses provide students with the skills and experience to shave, style, and trim mustaches and beards and to cut, shampoo, and style hair. Course topics include hygiene, skin and scalp disease, and use of equipment. Barbering courses may aim to prepare students for the state's licensing examinations, and may include topics similar to those included in Cosmetology courses.

19103 Hair Styling

Hair Styling courses provide students with the skills and experience to cut, shampoo, and style hair. Course topics include hygiene, skin and scalp disease, and use of equipment. These courses provide students with experiences in shampooing, cutting, styling, bleaching, coloring, tinting, waving, and relaxing hair.

19104 Cosmetology—Non-licensing

Cosmetology—Non-licensing courses provide students with the knowledge and skills applicable to the care of hair, skin, and nails, but do not necessarily prepare students for the state's Board of Cosmetology examinations. Students gain experience in hair care, facials, and manicures; course topics usually include human anatomy, sanitation and sterilization, and related chemistry and bacteriology. Shop management and state regulations may also be included.

19105 Cosmetology—Nail Specialization

Cosmetology—Nail Specialization courses offer students experience in providing manicures, pedicures, and nail extension treatments. These courses may also include topics such as hygiene, entrepreneurship, human relations, and other related subject matter.

19106 Cosmetology—Facial Specialization

Cosmetology—Facial Specialization courses offer students information and experience related to skin care, the provision of facials, make-up application, and facial massage. These courses may also include topics such as hygiene and sanitation, human anatomy and skin conditions, entrepreneurship, and/or human relations.

19107 Particular Topics in Cosmetology

These courses examine specific topics related to cosmetology not otherwise described, such as electrolysis, rather than providing a general study.

19147 Cosmetology—Independent Study

Cosmetology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to cosmetology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

19148 Cosmetology—Workplace Experience

Cosmetology—Workplace Experience courses provide students with work experience in the cosmetology field. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

19149 Cosmetology—Other

Education

19151 Teaching Profession

Teaching Profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge

and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education.

19152 Educational Methodology

Educational Methodology courses prepare students to teach and guide others. These courses typically provide opportunities for students to develop their own teaching objectives, to design lesson plans, and to experience teaching in a controlled environment. Students examine and practice teaching strategies, learning styles, time management and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques.

19153 Early Childhood Education

Early Childhood Education courses address child development, care, and education issues, so that students can guide the development of young children in an educational setting. Study typically includes planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements for teaching young children.

19154 Particular Topics in Education

These courses examine specific topics in education other than those already described, such as management of school-age children, rather than providing a general study of the teaching profession.

19197 Education—Independent Study

Education—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to education. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

19198 Education—Workplace Experience

Education—Workplace Experience courses provide students with work experience in fields related to education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

19199 Education—Other

Apparel and Furnishings

19201 Clothing and Textiles

Clothing and Textiles courses introduce students to and expand upon the various aspects of apparel, garment construction, and the textile industry, conveying the commercial application of

design principles, production processes, and maintenance techniques. These courses usually address the selection, characteristics, care, and repair of various textiles; operation and care of commercial sewing machines; design, construction, and production of fabrics and/or garments; and career opportunities in the garment or textile industry.

19202 Clothing/Textile Maintenance

Clothing/Textile Maintenance courses provide students with the knowledge and skills to clean, care for, and maintain clothing and textiles. Course topics typically include dry cleaning and laundering techniques, identifying fabrics and the optimal cleaning agents and processes, instruction in altering and repairing garments, and the safe use of the equipment, tools, and agents.

19203 Apparel Construction

Apparel Construction courses provide students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics typically include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, and business management. These courses may also offer specialized knowledge in a particular type of garment.

19204 Apparel and Textile Services

Apparel and Textile Services courses introduce students to and expand upon various services that concern the care and maintenance of apparel, textiles, and furnishing. Course topics may include upholstery, dry cleaning, commercial sewing, and tailoring.

19205 Home Furnishing

Home Furnishing courses provide students with basic knowledge regarding furnishing and decorating home environments. While exploring design principles, personal needs and style, and decision-making, students may also explore the following topics: color, texture, furniture styles and arrangement, lighting, window treatments, floor and wall coverings, and home improvement/modification. Home Furnishing courses may also cover architectural style and design and take a larger look at housing problems or current housing issues.

19206 Home Furnishings Production

Home Furnishings Production courses enable students to plan, select, and construct upholstery, slip covers, draperies and other window treatments, and other home accessories. Some courses may emphasize upholstery exclusively. Course content typically includes proper use of equipment, interior decorating principles, and employability skills.

19207 Particular Topics in Apparel and Furnishings

These courses examine specific topics in apparel and furnishings other than those already described, such as tailoring or shoe repair, rather than providing a general study.

19247 Apparel and Furnishings—Independent Study

Apparel and Furnishings—Independent Study courses, often conducted with instructors

as mentors, enable students to explore topics of interest related to apparel, textiles, and furnishings. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

19248 Apparel and Furnishings—Workplace Experience

Apparel and Furnishings—Workplace Experience courses provide students with work experience in fields related to apparel, textiles, and furnishings. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

19249 Apparel and Furnishings—Other

All Others

19995 Human Services—Aide

Human Services—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

19997 Human Services—Independent Study

Human Services—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to providing human services. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

19998 Human Services—Workplace Experience

Human Services—Workplace Experience courses provide students with work experience in a field related to the provision of human services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

19999 Human Services—Other

Subject Area 20: Transportation, Distribution, and Logistics (secondary)

Transportation Technology

20001 Exploration of Transportation, Distribution, and Logistics

Exploration of Transportation, Distribution, and Logistics courses introduce students to careers that involve the planning, management, and movement of people, materials, and products using any of several modes of transport. Such careers may also involve infrastructure, vehicular

maintenance and repair, and operating or managing facilities that hold what is being transported. Therefore, specific course topics vary widely and depend upon the careers being explored.

Operation

20051 Truck and Bus Driving

Truck and Bus Driving courses instruct students in the proper and safe handling and operation of trucks and buses. Strategies for driving in hazardous conditions, observing laws and regulations, loading cargo or passengers, documenting cargo loads, and expectations of driving careers are all typical course topics.

20052 Heavy Equipment Operation

Heavy Equipment Operation courses enable students to safely operate the heavy equipment used for mining, construction, and utility industries. Typically, courses also include light maintenance principles and techniques.

20053 Aviation

Aviation courses provide students with an understanding of the science of flight and typically include the history, regulations, and possible career paths within the aviation industry. Aviation courses usually cover physics, the relationships of weight and balance, principles of navigation and flight control, ground and airport operations and services, and Federal Aviation Agency regulations.

20054 Boat Operation

Boat Operation courses typically cover operation and maintenance of marine vehicles, marine navigation, and emergency procedures, as well as other skills necessary or useful for work or life at sea (e.g., loading and unloading or cooking). Specific topics may include docking and undocking a vessel, engine maintenance, commercial fishing, firefighting aboard ship, and CPR.

20097 Operation—Independent Study

Operation—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to the operation of vehicles. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

20098 Operation—Workplace Experience

Operation—Workplace Experience courses provide students with work experience in fields related to the operation of vehicles. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

20099 Operation—Other

Mechanics and Repair

20101 Energy/Power

Energy/Power courses focus on one or several aspects of energy and power in transportation and work. Course content may include various sources of energy and their use in society (for example, characteristics, availability, conversion, storage, environmental impact, and socioeconomic aspects of various energy sources); principles involved in various means of energy transfer, such as electricity/electronics, hydraulics, pneumatics, heat transfer, and wind/nuclear/solar energies; and the transmission and control of power through mechanical or electrical devices such as motors and engines.

20102 Power and Mechanics

Power and Mechanics courses enable students to understand the principles underlying various kinds of mechanics (aircraft, auto, diesel, and marine) and how energy is converted, transmitted, and controlled. Topics typically include maintaining and servicing machines, engines, and devices while emphasizing energy sources, electricity, and power transmission. The courses may also provide information on career opportunities within the field of mechanics and/or transportation.

20103 Introduction to Automobiles

Primarily intended as a personal automobile mechanics course, but also useful for students exploring future careers in automotive technologies, Introduction to Automobiles courses expose students to the various mechanical systems in automobiles and provide basic experience in maintenance tasks. The course may also cover career opportunities in the automotive and/or transportation fields.

20104 Automotive Mechanics—Comprehensive

Automotive Mechanics—Comprehensive courses emphasize the diagnosis and repair of automobile engines and support systems such as brakes, cooling, drive trains, electrical/electronics components, emission, fuel, ignition, steering, suspension, and transmissions. Course topics often include the comprehension and use of repair manuals, safety, and employability skills (including shop management and entrepreneurship).

20105 Particular Topics in Automotive Mechanics

These courses provide instruction in the mechanics of a particular system or condition, such as transmissions, brakes, fuel, exhaust, or electrical systems, rather than providing a general study of diagnosis and repair of automobile mechanics.

20106 Automotive Service

Automotive Service courses emphasize preventative auto maintenance and automobile troubleshooting. Course content typically includes tune-up, oil change, and lubrication skills; tire replacement, alignment, and balancing; and basic knowledge of brake, cooling, electrical, emission, fuel, ignition, steering, suspension, and transmission systems. These courses may also include public relations, sales techniques, and service station management.

20107 Diesel Mechanics—Comprehensive

Diesel Mechanics—Comprehensive courses prepare students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air conditioning charging systems, reading and interpreting service manuals, and identifying the principles and components of fuel injection systems. Courses may also cover safety, employability skills, and entrepreneurship.

20108 Particular Topics in Diesel Mechanics

These courses cover specific topics relevant to occupations involving the maintenance and repair of vehicles with diesel engines, such as buses and trucks. One topic (or several closely related topics) concerning diesel mechanics is covered in specific detail in this type of course.

20109 Small Vehicle Mechanics

Small Vehicle Mechanics courses equip students with the knowledge and skill to repair and maintain engines in small vehicles (e.g., motorcycles, all-terrain vehicles, snowmobiles, and mopeds). Topics include (but are not limited to) maintaining frames and suspension, wheels and brakes, and drive trains; servicing fuel, exhaust, and electrical systems; performing tune-ups; and maintaining and repairing engines. Students may also learn safety on the job, employability skills, and entrepreneurship.

20110 Small Engine Mechanics

Small Engine Mechanics courses provide students with the opportunity to learn how to service and recondition small engines, typically emphasizing two- and four-cycle engines. These courses provide students with opportunities to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand, power, and overhaul tools; and read and interpret service manuals and parts' catalogs. Applications may include lawn mowers, tractors, tillers, power tools, and so on.

20111 Marine Mechanics

The content of Marine Mechanics courses includes the service and repair of electrical, mechanical, power transfer, hydraulic, fuel, and cooling systems as applied to boat and/or ship engines; boat rigging; trailers; and marine-related merchandise. Courses may also cover communication, human relations, and employability skills, as well as safe, efficient work practices.

20112 Heavy Equipment Mechanics

Heavy Equipment Mechanics courses include the service and repair of electrical, mechanical, power transfer, hydraulic, fuel, and cooling systems of heavy equipment such as that used in mining, construction, and utility industries.

20113 Aircraft Power Plant

Aircraft Power Plant courses provide students with the information necessary to troubleshoot, test, repair, and install aircraft engines. Course content usually includes engine ignition, electrical, lubrication, cooling, exhaust, and fuel systems, along with aircraft

instrumentation and safety features.

20114 Aircraft Airframe

Aircraft Airframe courses offer students information and instruction related to the structure and mechanics of aircraft, typically including hydraulic, pneumatic, instrumental, fuel, electrical, cabin atmosphere, and landing gear systems. Aircraft Airframe courses may also cover aircraft metals and coverings and related welding skills.

20115 Automotive Detailing and Reconditioning

Automotive Detailing and Reconditioning courses provide students with knowledge and skills related to repairing, refinishing, and detailing automobiles. Course topics typically include painting and refinishing, plastics and adhesives, damage analysis, and repair, in addition to occupational safety, employability, and entrepreneurship skills.

20116 Automotive Body Repair and Refinishing—Comprehensive

Automotive Body Repair and Refinishing courses provide students with knowledge and skills regarding the repair and refinishing of damaged or used cars. Course content may include (but is not limited to) stretching and shrinking auto body sheet metal; welding skills; frame and metal straightening; repair of fiberglass and synthetic materials; removing, repairing, and installing auto body parts such as panels, hoods, doors, and windows/glass; preparing vehicles and vehicle surfaces for refinishing; painting; applying body fillers; and estimating material and labor costs.

20117 Particular Topics in Automotive Body Repair and Refinishing

These courses provide specific instruction in individual topics relevant to the repair and refinishing of automobile bodies and surfaces. One topic or several closely related topics (such as non-structural part replacement, auto body welding, or plastic repair) receive particular attention in this type of course.

20118 Boat Repair/Refinishing

Boat Repair/Refinishing courses convey a broad range of information and skills about how to repair and refinish boat mechanics, structures, and surfaces. In these courses, students become proficient in marine terminology, learn how to describe types of marine manufacturing and occupations, and prepare new and existing wood, fiberglass, and metal surfaces for painting or refinishing. These courses often cover safety, employability skills, and entrepreneurship.

20147 Mechanics and Repair—Independent Study

Mechanics and Repair—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to the maintenance of vehicles and engines. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

20148 Mechanics and Repair—Workplace Experience

Mechanics and Repair—Workplace Experience courses provide students with work experience in fields related to the maintenance of vehicles and engines. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

20149 Mechanics and Repair—Other

Distribution and Logistics

20151 Distribution—Comprehensive

Distribution—Comprehensive courses provide students with knowledge and skills related to the safe and efficient delivery of commodities to various markets. Course content typically includes the comparative advantages of various forms of transportation, distribution networks, processes for tracking large shipments of material, transportation of goods in a safe and secure manner, and packaging.

20152 Warehouse Operations

Warehouse Operations courses convey the principles and processes underlying the receiving, loading and unloading, tracking, and storing of large quantities of materials. Course topics typically include a variety of logistical implications for moving materials by several different modes of transportation, safety and security, and appropriate storage techniques.

20197 Distribution and Logistics—Independent Study

Distribution and Logistics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to distribution and logistics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

20198 Distribution and Logistics—Workplace Experience

Distribution and Logistics—Workplace Experience courses provide students with work experience in fields related to distribution and logistics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

20199 Distribution and Logistics—Other

All Others

20995 Transportation, Distribution, and Logistics—Aide

Transportation, Distribution, and Logistics—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide

tutorial or instructional assistance to other students.

20997 Transportation, Distribution, and Logistics—Independent Study

Transportation, Distribution, and Logistics—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to transportation, distribution, and logistics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

20998 Transportation, Distribution, and Logistics—Workplace Experience

Transportation, Distribution, and Logistics—Workplace Experience courses provide students with work experience in fields related to transportation, distribution, and logistics. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences encountered in the workplace.

20999 Transportation, Distribution, and Logistics—Other

Subject Area 21: Engineering and Technology (secondary)

Engineering

21001 Pre-Engineering Technology

Pre-Engineering Technology courses integrate technology-oriented applications of mathematics and science into pre-engineering activities for students. Course topics may include material sciences, technology processes, enterprises, and career opportunities.

21002 Engineering Applications

Engineering Applications courses provide students with an overview of the practical uses of a variety of engineering applications. Topics covered usually include hydraulics, pneumatics, computer interfacing, robotics, computer-aided design, computer numerical control, and electronics.

21003 Engineering Technology

Engineering Technology courses provide students with the opportunity to focus on one or more areas of industrial technology. Students apply technological processes to solve real engineering problems; develop the knowledge and skills to design, modify, use, and apply technology; and may also design and build prototypes and working models. Topics covered in the course include the nature of technology, use of technology, and design processes.

21004 Principles of Engineering

Principles of Engineering courses provide students with an understanding of the engineering/technology field. Students typically explore how engineers use various technology

systems and manufacturing processes to solve problems; they may also gain an appreciation of the social and political consequences of technological change.

21005 Engineering—Comprehensive

Engineering—Comprehensive courses introduce students to and expand their knowledge of major engineering concepts such as modeling, systems, design, optimization, technology-society interaction, and ethics. Particular topics often include applied engineering graphic systems, communicating technical information, engineering design principles, material science, research and development processes, and manufacturing techniques and systems. The courses may also cover the opportunities and challenges in various branches of engineering.

21006 Engineering Design

Engineering Design courses offer students experience in solving problems by applying a design development process. Often using solid modeling computer design software, students develop, analyze, and test product solutions models as well as communicate the features of those models.

21007 Engineering Design and Development

Engineering Design and Development courses provide students with the opportunity to apply engineering research principles as they design and construct a solution to an engineering problem. Students typically develop and test solutions using computer simulations or models but eventually create a working prototype as part of the design solution.

21008 Digital Electronics

Digital Electronics courses teach students how to use applied logic in the development of electronic circuits and devices. Students may use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices.

21009 Robotics

Robotics courses develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

21010 Computer Integrated Manufacturing

Computer Integrated Manufacturing courses involve the study of robotics and automation. Building on computer solid modeling skills, students may use computer numerical control (CNC) equipment to produce actual models of their three-dimensional designs. Course topics may also include fundamental concepts of robotics, automated manufacturing, and design analysis.

21011 Civil Engineering

Civil Engineering courses expose students to the concepts and skills used by urban planners, developers, and builders. Students may be trained in soil sampling and analysis, topography and surveying, and drafting or blueprint-reading. Additional course topics may include traffic analysis, geologic principles, and urban design.

21012 Civil Engineering and Architecture

Civil Engineering and Architecture courses provide students with an overview of the fields of Civil Engineering and Architecture while emphasizing the interrelationship of both fields. Students typically use software to address real world problems and to communicate the solutions that they develop. Course topics typically include the roles of civil engineers and architects, project-planning, site-planning, building design, project documentation, and presentation.

21013 Aerospace Engineering

Aerospace Engineering courses introduce students to the world of aeronautics, flight, and engineering. Topics covered in the course may include the history of flight, aerodynamics and aerodynamics testing, flight systems, astronautics, space life systems, aerospace materials, and systems engineering.

21014 Biotechnical Engineering

Biotechnical Engineering courses enable students to develop and expand their knowledge and skills in biology, physics, technology, and mathematics. Course content may vary widely, drawing upon diverse fields such as biomedical engineering, biomolecular genetics, bioprocess engineering, agricultural biology, or environmental engineering. Students may engage in problems related to biomechanics, cardiovascular engineering, genetic engineering, agricultural biotechnology, tissue engineering, biomedical devices, human interfaces, bioprocesses, forensics, and bioethics.

21015 Particular Topics in Engineering

These courses examine specific topics in engineering other than those already described.

21047 Engineering—Independent Study

Engineering—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to engineering. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

21048 Engineering—Workplace Experience

Engineering—Workplace Experience courses provide students with work experience in an engineering-related field. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

21049 Engineering—Other

Technology

21051 Technological Literacy

Technological Literacy courses expose students to the communication, transportation,

energy, production, biotechnology, and integrated technology systems and processes that affect their lives. The study of these processes enables students to better understand technological systems and their applications and uses.

21052 Technological Processes

Technological Processes courses provide students with the opportunity to focus on one or more areas of industrial technology, applying technological processes to solve real problems and developing the knowledge and skills to design, modify, use, and apply technology appropriately. Students may examine case studies, explore simulations, or design and build prototypes and working models.

21053 Emerging Technologies

Emerging Technologies courses emphasize students' exposure to and understanding of new and emerging technologies. The range of technological issues varies widely but typically include lasers, fiber options, electronics, robotics, computer technologies, CAD/CAM, communication modalities, and transportation technologies.

21054 Technology Innovation and Assessment

Technology Innovation and Assessment courses use engineering design activities to help students understand how criteria, constraints, and processes affect design solutions and provide students with the skills to systematically assess technological developments or solutions. Course topics may include brainstorming, visualizing, modeling, simulating, constructing, testing, and refining designs.

21055 Aerospace Technology

Aerospace Technology courses introduce students to the technology systems used in the aerospace industry and their interrelationships. Examples of such systems include satellite communications systems, composite materials in airframe manufacturing, space station constructions techniques, space shuttle propulsion systems, aerostatics, and aerodynamics.

21056 Particular Topics in Technology Applications

These courses examine specific topics in technology applications other than those already described.

21097 Technology—Independent Study

Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to technology systems and processes. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

21098 Technology—Workplace Experience

Technology—Workplace Experience courses provide students with work experience in a field related to technological systems and structures. Goals are typically set cooperatively by the

student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

21099 Technology—Other

Drafting

21101 Drafting Careers Exploration

Geared for students with an interest in careers that use drafting skills and applications, Drafting Careers Exploration courses expose students to the opportunities available for draftspeople (engineering, architectural, industrial, and so on). These courses serve to introduce basic skills and the field in general, providing students with the opportunity to identify a focus for continued study or to determine that their interests lie elsewhere.

21102 Drafting—General

Drafting—General courses, usually offered as a sequence of courses, introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives.

21103 Drafting—Architectural

Drafting—Architectural courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from architectural applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on interior and exterior residential (and light commercial) design, site orientation, floor plans, electrical plans, design sketches, and presentation drawings. In addition, students may prepare scale models.

21104 Drafting—Civil/Structural

Drafting—Civil/Structural courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from civil engineering and/or structural applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on skills needed for typography and survey work.

21105 Drafting—Electrical/Electronic

Drafting—Electrical/Electronic courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using

examples drawn from electric and/or electronic fields. These courses are intended to help students develop general drafting skills, but place a particular emphasis on those skills needed for electrical and electronic schematics.

21106 Drafting—Technical/Mechanical

Drafting—Technical/Mechanical courses introduce students to and help them refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from industrial applications. These courses are intended to help students develop general drafting skills, but place a particular emphasis on sectioning, auxiliary views, revolutions, and surface development. In these courses, students typically learn basic machining and fabrication processes as they draw schematic diagrams featuring cams, gears, linkages, levers, pulleys, and so on.

21107 CAD Design and Software

Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to the computer-aided drafting systems available in the industry.

21108 Blueprint Reading

Blueprint Reading courses provide students with the knowledge and ability to interpret the lines, symbols, and conventions of drafted blueprints. They generally emphasize interpreting, not producing, blueprints, although the courses may provide both types of experiences. Blueprint Reading courses typically use examples from a wide variety of industrial and technological applications.

21147 Drafting—Independent Study

Drafting—Independent Study courses, often conducted with instructors as mentors, enable students to explore drafting-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

21148 Drafting—Workplace Experience

Drafting—Workplace Experience courses provide work experience in a field related to drafting. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

21149 Drafting—Other

All Others

21995 Engineering and Technology—Aide

Engineering and Technology—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional

assistance to other students.

21997 Engineering and Technology—Independent Study

Engineering and Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to engineering and/or technology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

21998 Engineering and Technology—Workplace Experience

Engineering and Technology—Workplace Experience courses provide students with work experience in a field related to engineering or technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

21999 Engineering and Technology—Other

Subject Area 22: Miscellaneous (secondary)

Academic Enrichment

22001 Standardized Test Preparation

Standardized Test Preparation courses help prepare students for national standardized tests such as the PSAT, SAT, and ACT. In particular, these courses assist students in developing and/or expanding their vocabulary, test-taking, and reasoning skills through study, lecture, and practice drills. Course topics may include vocabulary review; root words, prefixes, and suffixes; mathematical concepts, logic, and rules; and general problem-solving and test-taking strategies.

22002 State Test Preparation

State Test Preparation courses prepare students for particular state tests required for graduation. These courses may cover specific content areas (such as citizenship, mathematics, language arts, and so on) according to individual student needs, or they may provide a more general course of study, similar to the Standardized Test Preparation course described above.

22003 Study Skills

Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.

22004 Dropout Prevention Program

Dropout Prevention Program courses vary widely, but typically are targeted at students who have been identified as being at risk of dropping out of or failing in school. Course content may include study skills and individual tutorials; job preparation, readiness, application, or interview skills; communication skills; personal assessment and awareness activities; speaker presentations; and small group seminars.

22005 Tutorial

Tutorial courses provide students with the assistance they need to successfully complete their coursework. Students may receive help in one or several subjects.

22006 Study Hall

Study Hall courses provide students with the opportunity and time to complete classroom assignments or school projects. Students typically work on their own, without the help of a tutor; however, they are supervised and usually remain in the classroom. Staff Assistance

22051 Office Aide

Office Aide courses provide students with the opportunity to work in campus offices, developing skills related to clerical office work. Duties may include typing, filing, record-keeping, receiving visitors, answering the telephone, and duplicating, among others. These courses emphasize appropriate work attitudes, human relations, and proper office procedures.

22052 Guidance Aide

Guidance Aide courses provide students with the opportunity to work in the campus guidance office. Duties may include typing, filing, record-keeping, assisting students, answering the telephone, and duplicating, among others. Students may also act as guides to new students. These courses emphasize appropriate work attitudes, human relations, and proper office procedures.

22053 Library/AVC Aide

Library/AVC Aide courses provide students with the opportunity to work in the library or in media and audiovisual centers. Duties may include collecting, distributing, and categorizing materials; operating audiovisual equipment; assisting students and teachers; and performing clerical duties. Students typically gain experience in library science and/or media and audiovisual technology.

22054 Tutoring Practicum

Tutoring Practicum courses provide students with the opportunity to offer tutorial assistance to their peers or to younger students. After an initial training period during which students learn how to work with other students and how to make use of the available resources (e.g., staff, written material, audiovisual aids, and so on), students engage in tutoring and assisting others who need or request help.

School Organization/Leadership

22101 Leadership

Leadership courses are designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.

22102 School Orientation

School Orientation courses provide students with an introduction to the culture of their school so that they understand staff expectations and the school's structure and conventions. These courses may vary widely according to the philosophy, aims, and methods of each school.

22103 School Governance

School Governance courses convene students as an entire student body to discuss common concerns, organize groups for action, make decisions, and solve school-related problems. Because of the nature of these courses, they are typically offered at private, alternative, or experimental schools.

22104 Community Service

Community Service courses provide students with the opportunity to volunteer their time, energy, and talents to serve a community project or organization. These courses are usually (but not always) conducted with a seminar component, so that students can use their volunteer experiences to learn how to solve problems, make decisions, and communicate effectively.

22105 Values Clarification

Values Clarification courses enable students to explore individual and societal actions and implications in order to help them develop personal values and make decisions about their lives. Examples of discussion topics include philosophy and religion, world resource allocation, genetic engineering, environmental issues, and death-related issues (euthanasia, suicide, and abortion).

22106 Seminar

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills. Seminars aimed at juniors and seniors often include a college and career exploration and planning component.

Career Exploration/Development

22151 Career Exploration

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers.

These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

22152 Employability Skills

Employability Skills courses help students match their interests and aptitudes to career options with a focus on using employment information effectively, acquiring and improving job-seeking and interview skills, composing job applications and resumes, and learning the skills needed to remain in and advance within the workplace. Course content may also include consumer education and personal money management topics.

22153 Diversified Occupations

Diversified Occupations courses help students enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work-related skills. These courses typically cover such topics as career planning and selection, money management, communication skills, interpersonal business relationships and behaviors, and personal responsibility. Employment may be a required component of these courses, or students may be required to enroll concurrently in a work experience course.

Family and Consumer Science

22201 Family and Consumer Science—Comprehensive

Family and Consumer Science—Comprehensive courses are inclusive studies of the knowledge and skills that are useful for the efficient and productive management of the home. Course topics typically include foods and nutrition; clothing; child development and care; housing design, decoration, and maintenance; consumer decisions and personal financial management; and interpersonal relationships.

22202 Food and Nutrition

Food and Nutrition courses provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, experience in the proper use of equipment and utensils, and background on the nutritional needs and requirements for healthy living. Some classes place a heavier emphasis on the nutritional components of a balanced diet, while others concentrate on specific types of food preparation. Although these courses may present career opportunities in the food service industry, their emphasis is not career-related.

22203 Food Science

Food Science courses offer opportunities to study the composition, structure, and properties of foods and the chemical changes that occur during the processing, storage, preparation, and consumption of food. These courses often explore the effects of various materials, microorganisms, and processes on food products through laboratory experiments.

22204 Child Development/Parenting

Child Development/Parenting courses provide students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age.

In addition, these courses help students discover how parents should respond to the various stages of childhood. Course content typically includes topics such as prenatal and birth processes; responsibilities and difficulties of parenthood; fundamentals of children's emotional and physical development; and the appropriate care of infants, toddlers, and young children.

22205 Clothing/Sewing

Clothing/Sewing courses introduce students to and expand their knowledge of various aspects of wearing apparel, sewing, and fashion. These courses typically include wardrobe planning; selection, care, and repair of various materials; and construction of one or more garments. They may also include related topics, such as fashion design, fashion history, the social and psychological aspects of clothing, careers in the clothing industry, and craft sewing.

22206 Life Skills

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize such topics as goal-setting, decision-making, and setting priorities; money and time management; relationships; and the development of the self. Practical exercises regarding selecting and furnishing houses, meeting transportation needs, preparing food, selecting clothing, and building a wardrobe are often integral to these classes. In addition, specific topics such as insurance, taxation, and consumer protection may also be covered.

22207 Self-Management

Self-Management courses introduce students to the skills and strategies helpful in becoming more focused, productive individuals. These courses typically emphasize goal-setting; decision-making; managing time, energy, and stress; and identifying alternatives and coping strategies. They may also allow students to explore various career and lifestyle choices.

22208 Family Living

Family Living courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and the various stages of life. They may also cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

22209 Personal Development

Similar to Family Living courses, but more focused on the individual, Personal Development courses emphasize strengthening self-esteem, recognizing and resisting negative peer pressure, and developing coping skills for dealing with changes within one's self and within others. These courses may also have a substance-abuse prevention component.

22210 Consumer Economics/Personal Finance

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy.

22211 Home Décor

Home Décor courses provide students with knowledge and skills regarding interior design and decoration of the home for the individual or family. While exploring design principles, personal needs and style, and decision-making, students may have an opportunity to explore such topics as color, texture, furniture styles and arrangement, lighting, window treatments, floor and wall coverings, and home improvement/modification. These courses emphasize personal (rather than commercial) use and application of home décor principles.

22245 Family and Consumer Science—Aide

Family and Consumer Science—Aide courses offer students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

22247 Family and Consumer Science—Independent Study

Family and Consumer Science—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest related to home- and self-management. Independent Study courses may provide students with an opportunity to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

22249 Family and Consumer Science—Other

Support Services

22251 Community Living

Community Living courses place a special emphasis on the student's relationship to the surrounding community. Instruction varies with the students and their needs; however, these courses provide the skills necessary for independent functioning within the surrounding environment. Course topics may also include available community resources and how to access them, emergency skills, and independent living strategies.

22252 Communication Instruction

Communication Instruction courses are typically individualized according to each student's condition and needs. Increasing the student's communication skills—oral expression, listening comprehension, reading, and writing—is emphasized; communication techniques in several areas (educational, social, and vocational) are often explored.

22253 Social Development Instruction

Social Development Instruction courses teach students the social skills needed for independent functioning within the community. Topics may include self-control, self-expression, obeying rules, decision-making, appropriate situational behavior, interacting with others, and maintaining relationships. Students may develop independence, self-confidence, and self-reliance.

22254 Developmental Support

Developmental Support courses are customized according to each student's condition and needs, emphasizing an increase in skill or control of body and mind function. Examples of support may include refinement of gross and fine motor skills, development of visual perception, and improvement in eye-hand coordination.

All Others

22995 Miscellaneous—Aide

Miscellaneous—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula or to assist other staff members in fulfilling their duties. Students may provide tutorial or instructional assistance to other students. Note: if the particular subject area is known, use the code associated with the Aide course within that subject area.

22997 Miscellaneous—Independent Study

Miscellaneous—Independent Study courses, typically organized as a mentorship with a teacher or outside professional, enable students to conduct investigations related to their field(s) of interest. Note: if the particular subject area is known, use the code associated with the Independent Study course within that subject area.

22998 Miscellaneous—Workplace Experience

Miscellaneous—Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. Note: if the particular subject area is known, use the code associated with the Workplace Experience course within that subject area.

22999 Miscellaneous—Other

Appendix A: List of SCED Course Titles in Numeric Order

Appendix A. List of SCLD Course Titles in No	unienc Order
English Language and Literature	
English/Language Arts I (9th grade)	01001
English/Language Arts II (10th grade)	01002
English/Language Arts III (11th grade)	01003
English/Language Arts IV (12th grade)	01004
AP English Language and Composition	01005
AP English Literature and Composition	01006
IB Language A (English)	01007
English as a Second Language	01007
Language Arts Lab	01008
Language And Lab	01003
Eng/Literature (9th and 10th)	01051
Eng/Literature (11th and 12th)	01052
Literature	01053
American Literature	01054
American Literature/History	01055
British Literature	01056
British Literature/History	01057
World Literature	01058
Biblical Literature	01059
Literature of an Author	01060
Literature of a Genre	01061
Literature of a Period	01062
Literature of a Place	01063
Literature of a People	01064
Literature of a Theme	01065
Strategic Reading	01066
Assisted Reading	01067
Corrective Reading	01068
Literature - Independent Study	01097
Literature Workplace Experience	01098
Literature - Other	01099
Eng/Composition (9th and 10th)	01101
Eng/Composition (11th and 12th)	01102
Composition	01103
Creative Writing	01104
Research/Technical Writing	01105
Composition - Independent Study	01147
Composition - Workplace Experience	01148
Composition - Other	01149
Public Speaking	01151
Forensic Speaking - Inclusive	01152
Forensic Speaking - Debate	01153
Forensic Speaking - Individual Even	01154
Communications	01155
Applied English and Communications	01156
Speech - Independent Study	01197

Speech - Workplace Experience Speech - Other	01198 01199
English Morphology and Grammar History of English Language English - Test Prep	01201 01202 01203
English Proficiency Development English Language and Literature- Aide English Language and Literature- Independent Study English Language and Literature- Workplace Experience English Language and Literature- Other	01992 01995 01997 01998 01999
Mathematics	
Informal Math General Math Particular Topics in Foundation Math Foundation Math - Independent Study Foundation Math - Other	02001 02002 02003 02047 02049
Pre-Algebra Algebra I Algebra I - Part 1 Algebra I - Part 2 Transition Algebra Algebra II Algebra III Particular Topics in Algebra Integrated Math - multi-year equivalent Algebra - Other Informal Geometry Geometry Analytic Geometry Principles of Algebra and Geometry Particular Topics in Geometry Geometry - Other	02051 02052 02053 02054 02055 02056 02057 02058 02061 02069 02071 02072 02073 02074 02075 02079
Number Theory Discrete Math Trigonometry Math Analysis Trigonometry/Math Analysis Trigonometry/Algebra Trigonometry/Analytic Geometry Math Analysis/Analytic Geometry Elementary Functions Pre-Calculus Linear Algebra Linear Programming Abstract Algebra Calculus	02101 02102 02103 02104 02105 02106 02107 02108 02109 02110 02111 02112 02113

Multivariate Calculus Differential Calculus AP Calculus AB AP Calculus BC Particular Topics in Calculus IB Math Studies IB Math IB Math and Computing - SL IB Further Math - SL Particular Topics in Analytic Math Analytic Mathematics - Other	02122 02123 02124 02125 02126 02131 02132 02133 02134 02141
General Applied Math Occupationally Applied Math Technical Math Business Math Business Math w/ Algebra Computer Math / Algebra Consumer Math	02151 02152 02153 02154 02155 02156 02157
Probability and Statistics Inferential Probability and Statistics AP Statistics Particular Topics in Probability and Statistics Probability and Statistics - Independent Study Probability and Statistics - Other	02201 02202 02203 02204 02207 02209
History of Math Math - Test Prep Math - Proficiency Development Math - Aide Math - Independent Study Math - Workplace Experience Math - Other	02991 02993 02994 02995 02997 02998 02999
Life and Physical Sciences	
Earth Science Geology Environmental Science Astronomy Marine Science Meteorology Physical Geography Earth and Space Science Earth Science - Independent Study Earth Science - Workplace Experience Earth Science - Other	03001 03002 03003 03004 03005 03006 03007 03008 03047 03048
Biology Biology - Advanced Anatomy and Physiology	03051 03052 03053

Anatomy Physiology AP Biology IB Biology Botany Genetics Microbiology Zoology Conceptual Biology Particular Topics in Biology Biology - Independent Study Biology - Workplace Experience Biology - Other	03054 03055 03056 03057 03058 03059 03060 03061 03062 03063 03097 03098 03099
Chemistry Chemistry - Advanced Organic Chemistry Physical Chemistry Chemistry in the Community AP Chemistry IB Chemistry Particular Topics in Chemistry Chemistry - Independent Study Chemistry - Workplace Experience Chemistry - Other	03101 03102 03103 03104 03105 03106 03107 03108 03147 03148 03149
Physics - Advanced Principles of Technology AP Physics B AP Physics C IB Physics Physical Science IB Physical Science Conceptual Physics Particular Topics in Physics Physics - Independent Study Physics - Workplace Experience Physics - Other	03151 03152 03153 03155 03156 03157 03159 03160 03161 03162 03197 03198 03199
Integrated Science Unified Science Applied Biology/Chemistry Science Technology/Engineering Origins of Science IB Design Technology AP Environmental Science IB Environmental Science Aerospace Science, Technology and Society Technical Science	03201 03202 03203 03204 03205 03206 03207 03208 03209 03210 03211

Scientific Research/Design	03212
Life and Physical Science - Proficiency Dev	03994
	03994
Life and Physical Science - Lab Asst Life and Physical Science - Independent Study	03995
	03998
Life and Physical Science - Workplace Experience	
Life and Physical Science - Other	03999
Social Sciences and History	
World Geography	04001
Topics in Geography	04002
IB Geography	04003
AP Human Geography	04004
Geography - Independent Study	04047
Geography - Workplace Experience	04048
Geography - Other	04049
World History - Overview	04051
World History and Geography	04052
Modern World History	04053
IB History	04054
Modern European History	04055
AP European History	04056
AP World History	04057
Ancient Civilization	04058
Medieval European History	04059
Ancient and Medieval History	04060
World Area Studies	04061
World People Studies	04062
West Civilization	04063
Contemporary World Issues	04064
Particular Topics in World History	04065
IB Islamic History	04066
World History - Independent Study	04097
World History - Workplace Experience World History - Other	04098 04099
World History - Other	04099
US History - Comprehensive	04101
Early US History	04102
Modern US History	04103
AP US History	04104
State-Specific Studies	04105
Contemporary US Issues	04106
US Ethnic Studies	04107
US Gender Studies	04108
Particular Topics in US History	04109
US History - Independent Study	04147
US History - Workplace Experience	04148
US History - Other	04149
US Government - Comprehensive	04151
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Particular Topics in US Government Political Science Comparative Government International Relations US and World Affairs AP US Government and Politics AP Comparative Government and Politics AP Government Principles of Democracy Civics Law Studies Consumer Law Business Law Legal System Particular Topics in Law Government, Politics and Law - Independent Study Government, Politics and Law - Workplace Experience Government, Politics and Law - Other	04152 04153 04154 04155 04156 04157 04158 04159 04160 04161 04162 04163 04164 04165 04166 04197 04198
Economics Comparative Economics AP Microeconomics AP Macroeconomics AP Economics IB Economics Particular Topics in Economics Economics - Independent Study Economics - Workplace Experience Economics - Other	04201 04202 04203 04204 04205 04206 04207 04247 04248 04249
Anthropology Particular Topics in Anthropology IB Social Anthropology Psychology Particular Topics in Psychology AP Psychology IB Psychology Sociology Particular Topics in Sociology Social Science Social Science Research IB Organization Studies Social Sciences - Independent Study Social Sciences - Workplace Experience Social Sciences - Other	04251 04252 04253 04254 04255 04256 04257 04258 04259 04260 04261 04262 04297 04298 04299
Humanities Survey Humanities Issues of Western Humanities IB Theory of Knowledge Social Studies	04301 04302 04303 04304 04305

Philosophy Particular Topics in Philosophy Modern Intellectual History IB Philosophy Particular Topics in Humanities Humanities - Independent Study Humanities - Workplace Experience Humanities - Other	04306 04307 04308 04309 04310 04347 04348
Social Science and History - Proficiency Development Social Science and History - Aide Social Science and History - Independent Study Social Science and History - Workplace Experience Social Science and History - Other	04994 04995 04997 04998 04999
Fine and Performing Arts	
Dance Technique Dance Repertory Expressive Movement Dance Appreciation Choreography Dance - Independent Study Dance - Workplace Experience Dance - Other	05001 05002 05003 05004 05005 05047 05048 05049
Intro to Theater Theatre Arts Drama - Comprehensive Exploration in Drama Drama - Acting/Performance Drama - Stagecraft Directing Playwriting History and Literature of Theater Drama/Stagecraft - Independent Study Drama - Workplace Experience Drama/Stagecraft - Other	05051 05052 05053 05054 05055 05056 05057 05058 05059 05097 05098 05099
General Band Concert Band Marching Band Orchestra Contemporary Band Instrumental Ensembles Piano Guitar Individual Technique - Instrumental Music Chorus Vocal Ensembles Individual Technique - Vocal Music Music Theory	05101 05102 05103 05104 05105 05106 05107 05108 05109 05110 05111

AP Music Theory IB Music Music History/Appreciation Music History Music Appreciation Composition/songwriting Music - Independent Study Music - Workplace Experience Music - Other	05114 05115 05116 05117 05118 05119 05147 05148 05149
Art Appreciation	05151
Art History	05151
AP Art - History of Art	05152
·	
Creative Art - Comprehensive	05154 05155
Creative Art - Drawing/Painting	05155
Creative Art - Drawing	05156
Creative Art - Painting	
Creative Art - Sculpture	05158
Ceramics/Pottery	05159
Printmaking/Graphics	05160
Printmaking	05161
Graphic Design	05162
Advertising Design Textiles	05163
	05164
Crafts	05165
Jewelry Photography	05166
Photography	05167
Film/Videotape	05168
Computer Assisted Art	05169
Art Portfolio	05170
AP Studio Art - General Portfolio	05171
AP Studio Art - Drawing Portfolio	05172
IB Art/Design	05173
Visual Arts - Independent Study	05197
Visual Arts - Workplace Experience	05198
Visual Arts - Other	05199
Integrated Fine Arts	05201
Fine and Performing Art - Aide	05995
Fine and Performing Art - Independent Study	05997
Fine and Performing Art - Workplace Experience	05998
Fine and Performing Art - Other	05999
Foreign Language and Literature	
	00404
Spanish II	06101
Spanish II	06102
Spanish III	06103
Spanish IV	06104
Spanish V	06105
Spanish for Native Speakers	06106

0 1 5 1 5	00407
Spanish Field Experience	06107
Spanish Conversation and Culture	06108
Spanish Literature	06109
IB Language A (non-Eng) - Span	06110
IB Language B - Spanish	06111
AP Spanish Lang	06112
AP Spanish Literature	06113
French I	06121
French II	06122
French III	06123
French IV	06124
French V	06125
French for Native Speakers	06126
French Field Experience	06127
French Conversation and Culture	06128
French Literature	06129
IB Language A (non-Eng) - French	06130
IB Language B - French	06131
AP French Lang	06132
AP French Literature	06133
Italian I	06141
Italian II	06142
Italian III	06143
Italian IV	06144
Italian V	06145
Italian for Native Speakers	06146
Italian Field Experience	06147
Italian Conversation and Culture	06148
Italian Literature	06149
IB Language A (non-Eng) - Italian	06150
IB Language B - Italian	06151
Portuguese I	06161
Portuguese II	06162
Portuguese III	06163
Portuguese IV	06164
Portuguese V	06165
Portuguese for Native Speakers	06166
Portuguese Field Experience	06167
Portuguese Conversation and Culture	06168
Portuguese Literature	06169
IB Language A (non-Eng) - Portuguese	06170
IB Language B - Portuguese	06171
Romance/Italic Language I	06181
Romance/Italic Language II	06182
Romance/Italic Language III	06183
Romance/Italic Language IV	06184
Romance/Italic Language V	06185
Romance/Italic for Native Speakers	06186
Romance/Italic Field Experience	06187
Romance/Italic Conversation and Culture	06188
Romance/Italic Literature	06189

IB Language A (non-English) - Romance/Italic IB Language B - Romance/Italic Romance/Italic Language Other	06190 06191 06199
German II German III German IV German IV German V German for Native Speakers German Field Experience German Conversation and Culture German Literature IB Language A (non-English) - German IB Language B - German AP German Language Germanic Language II Germanic Language III	06201 06202 06203 06204 06205 06206 06207 06208 06209 06210 06211 06212 06241 06242
Germanic Language IV Germanic Language V Germanic Language for Native Speakers Germanic Language Field Experience Germanic Language Conversation and Culture Germanic Literature IB Language A (non-English) - Germanic Lang IB Language B - Germanic Lang Germanic Language - Other	06244 06245 06246 06247 06248 06249 06250 06251 06259
Celtic Language I Celtic Language III Celtic Language IV Celtic Language IV Celtic Language V Celtic Language for Native Speakers Celtic Language Field Experience Celtic Language Conversation and Culture Celtic Literature IB Language A (non-English) - Celtic Lang IB Language B - Celtic Lang Celtic Language - Other	06261 06262 06263 06264 06265 06266 06267 06268 06269 06270 06271
Greek I Greek II Greek III Greek IV Greek V Greek for Native Speakers Greek Field Experience Greek Conversation and Culture Greek Literature	06281 06282 06283 06284 06285 06286 06287 06288 06289

Classical Language - Other 0635	IB Language A (non-English) IB Language B - Greek Greek - Other Latin I Latin II Latin III Latin IV Latin V IB Classical Language - Latin AP Latin (Virgil, Catullus, and Classical Greek I Classical Greek II Classical Greek IV Classical Greek V IB Classical Language - Gree Classical Language - Other	n d Horace)	06290 06291 06299 06301 06302 06303 06304 06305 06311 06313 06321 06322 06323 06324 06325 06331 06359
Chinese III 0640 Chinese IV 0640 Chinese V 0640 Chinese for Native Speakers 0640 Chinese Field Experience 0640 Chinese Conversation and Culture 0640 Chinese Literature 0640 IB Language A (non-English) - Chinese 0641 IB Language B - Chinese 0641 Japanese I 0642 Japanese III 0642 Japanese IV 0642 Japanese Field Experience 0642 Japanese Field Experience 0642 Japanese Conversation and Culture 0642 Japanese Literature 0642 IB Language A (non-English) - Japanese 0643 IB Language B - Japanese 0643 Korean I 0644 Korean III 0644 Korean IV 0644 Korean Field Experience 0644 Korean Field Experience 0644 Korean Conversation and Culture 0644	Chinese II Chinese III Chinese IV Chinese IV Chinese V Chinese For Native Speakers Chinese Field Experience Chinese Conversation and Continese Literature IB Language A (non-English) IB Language B - Chinese Japanese II Japanese III Japanese III Japanese IV Japanese V Japanese Field Experience Japanese Field Experience Japanese Conversation and Japanese Literature IB Language A (non-English) IB Language B - Japanese Korean I Korean II Korean III Korean IV Korean V Korean Field Experience Korean Field Experience Korean Conversation and Cu	ulture - Chinese 's Culture - Japanese	06401 06402 06403 06404 06405 06406 06407 06408 06409 06410 06411 06421 06422 06423 06424 06425 06426 06427 06428 06429 06430 06431 06441 06442 06443 06444 06445 06446 06447 06448

East Asian Language II East Asian Language III East Asian Language IV East Asian Language IV East Asian Language V East Asian Language for Native Speakers East Asian Language Field Experience East Asian Language Conversation and Culture East Asian Literature IB Language A (non-English) - East Asian Lang IB Language B - East Asian Lang East Asian Language - Other	06481 06482 06483 06484 06485 06486 06487 06488 06489 06490 06491 06499
Vietnamese II Vietnamese III Vietnamese III Vietnamese IV Vietnamese IV Vietnamese V Vietnamese For Native Speakers Vietnamese Field Experience Vietnamese Conversation and Culture Vietnamese Literature IB Language A (non-English) - Vietnamese IB Language B - Vietnamese Filipino I Filipino II Filipino III Filipino IV Filipino Field Experience Filipino For Native Speakers Filipino For Native Speakers Filipino Conversation and Culture Filipino Literature IB Language A (non-English) - Filipino IB Language B - Filipino Southeast Asian Language II Southeast Asian Language III Southeast Asian Language IV Southeast Asian Language V Southeast Asian Language Field Experience Southeast Asian Language Field Experience Southeast Asian Language Conversation and Culture Southeast Asian Language Conversation and Culture Southeast Asian Language R - Southeast Asian Lang IB Language B - Southeast Asian Lang IB Language B - Southeast Asian Lang	06501 06502 06503 06504 06505 06506 06507 06508 06509 06510 06511 06521 06522 06523 06524 06525 06526 06527 06528 06529 06530 06531 06581 06582 06583 06584 06585 06586 06587 06588
Southeast Asian Language - Other Russian I Russian II Russian III	06599 06601 06602 06603

Russian IV	06604
Russian V	06605
Russian for Native Speakers	06606
Russian Field Experience	06607
Russian Conversation and Culture	06608
Russian Literature	06609
IB Language A (non-English) - Russian	06610
IB Language B - Russian	06611
Balto-Slavic Language I	06641
Balto-Slavic Language II	06642
Balto-Slavic Language III	06643
Balto-Slavic Language IV	06644
Balto-Slavic Language V	06645
Balto-Slavic Language for Native Speakers	06646
Balto-Slavic Language Field Experience	06647
Balto-Slavic Language Conversation and Culture	06648
Balto-Slavic Literature	06649
IB Language A (non-English) - Balto-Slavic Lang	06650
IB Language B - Balto-Slavic Lang	06651
Balto-Slavic Language - Other	06659
Turkic/Ural-Altaic Language I	06661
Turkic/Ural-Altaic Language II	06662
Turkic/Ural-Altaic Language III	06663
Turkic/Ural-Altaic Language IV	06664
Turkic/Ural-Altaic Language V	06665
Turkic/Ural-Altaic Language for Native Speakers	06666
Turkic/Ural-Altaic Language Field Experience	06667
Turkic/Ural-Altaic Language Conversation and Culture	06668
Turkic/Ural-Altaic Literature	06669
IB Language A (non-English) - Turkic/Ural-Altaic Lang	06670
IB Language B - Turkic/Ural-Altaic Lang	06671
Turkic/Ural-Altaic Language - Other	06679
Iranian/Persian Language I	06681
Iranian/Persian Language II	06682
Iranian/Persian Language III	06683
Iranian/Persian Language IV	06684
Iranian/Persian Language V	06685
Iranian/Persian Language v Iranian/Persian Language for Native Speakers	06686
Iranian/Persian Language Field Experience	06687
Iranian/Persian Language Conversation and Culture	06688
Iranian/Persian Literature	
	06689 06690
IB Language A (non-English) - Iranian/Persian Lang	06690
IB Language B - Iranian/Persian Lang	
Iranian/Persian Language - Other	06699
Hebrew I	06701
Hebrew II	06702
Hebrew III	06703
Hebrew IV	06704

Hebrew V Hebrew for Native Speakers Hebrew Field Experience Hebrew Conversation and Culture Hebrew Literature IB Language A (non-English) - Hebrew IB Language B - Hebrew IB Classical Language - Hebrew Arabic I Arabic II Arabic III Arabic IV Arabic V Arabic Field Experience Arabic Field Experience Arabic Conversation and Culture Arabic Literature IB Language A (non-English) - Arabic IB Language B - Arabic IB Classical Language - Arabic Semitic and Near/Middle Eastern Language - Other	06705 06706 06707 06708 06709 06710 06711 06712 06721 06722 06723 06724 06725 06726 06727 06728 06729 06730 06731 06732
Swahili II Swahili III Swahili IV Swahili IV Swahili V Swahili Field Experience Swahili Conversation and Culture Swahili Literature IB Language A (non-English) - Swahili IB Language B - Swahili Non Semitic African Language II Non Semitic African Language III Non Semitic African Language IV Non Semitic African Language V Non Semitic African Language Field Experience Non Semitic African Language Field Experience Non Semitic African Literature IB Language A (non-English) - Non Semitic African Lang IB Language B - Non Semitic African Lang African (Non Semitic) Language - Other	06761 06762 06763 06764 06765 06766 06767 06768 06769 06770 06771 06781 06782 06783 06784 06785 06786 06787 06788 06789 06790
American Sign Language I American Sign Language II American Sign Language III American Sign Language IV American Sign Language V	06801 06802 06803 06804 06805

American Sign Language - Other American Indian Language I American Indian Language II American Indian Language III American Indian Language IV American Indian Language V American Indian Language for Native Speakers American Indian Language Field Experience American Indian Language Conversation and Culture American Indian Literature IB Language A (non-English) - American Indian Lang IB Language B - American Indian Lang American Indian Language - Other	06819 06821 06822 06823 06824 06825 06826 06827 06828 06829 06830 06831 06839
Indic Language II Indic Language III Indic Language IV Indic Language IV Indic Language V Indic Language for Native Speakers Indic Language Field Experience Indic Language Conversation and Culture Indic Literature IB Language A (non-English) - Indic Lang IB Language B - Indic Lang Indic Language - Other	06841 06842 06843 06844 06845 06846 06847 06848 06849 06850 06851
Malayo-Polynesian Language II Malayo-Polynesian Language III Malayo-Polynesian Language IV Malayo-Polynesian Language IV Malayo-Polynesian Language V Malayo-Polynesian Language for Native Speakers Malayo-Polynesian Language Field Experience Malayo-Polynesian Language Conversation and Culture Malayo-Polynesian Literature IB Language A (non-English) - Malayo-Polynesian Lang IB Language B - Malayo-Polynesian Lang Malayo-Polynesian Language - Other Foreign Language and Literature—Independent Study Foreign Language and Literature- Workplace Experience Foreign Language and Literature- Other	06861 06862 06863 06864 06865 06866 06867 06868 06869 06870 06871 06879 06995 06997
Religious Education and Theology Religious Foundations Comparative Religion Eastern Religions Western Religions Scriptures Old Testament	07001 07002 07003 07004 07005 07006

New Testament Bible History Christology Religious Figures Liturgy and Prayer Prayer and Spirituality Religious Ethics and Morality Justice, Peace, and Faith Faith and Lifestyle Ministry Religious Education and Theology - Aide Religious Education and Theology - Independent Study Religious Education and Theology - Workplace Experience Religious Education and Theology - Other	07007 07008 07009 07010 07011 07012 07013 07014 07015 07016 07995 07997 07998 07999
Physical, Health, and Safety Education	
Physical Education Team Sports Individual/Dual Sports Recreation Sports Fitness/Conditioning Corps Movement Adapted Physical Education Gymnastics Weight Training Aquatic/Water Sports Tennis Self-defense Specific Sports Activities Physical Education Equivalent Off-Campus Sports Lifetime Fitness Education Sports Physiology Physical Education - Independent Study Physical Education - Workplace Experience Physical Education - Other	08001 08002 08003 08004 08005 08006 08007 08008 08009 08010 08011 08012 08013 08014 08015 08016 08017 08047 08048
Health Education Health and Fitness Community Health Special Needs Health Education Safety and First Aid Health for Parenting Teens Health and Life Management Substance Abuse Prevention Health Education - Independent Study Health Education - Workplace Experience Health Education - Other Drivers' Education - Classroom Only Drivers' Education - Classroom and Lab	08051 08052 08053 08054 08055 08056 08057 08058 08097 08098 08099
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Driver's Education - Independent Study Driver's Education - Workplace Experience Driver's Education - Other	08197 08198 08199
Physical Education/Health/Drivers' Education Physical, Health, and Safety Education - Aide Physical, Health, and Safety Education - Independent Study Physical, Health, and Safety Education - Work Experience Physical, Health, and Safety Education - Other	08201 08995 08997 08998 08999
Military Science	
Intro to Jr ROTC Military Jr ROTC - unspecified branch ROTC Drill Military Leadership	09001 09002 09003 09004
Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV	09051 09052 09053 09054
Navy Jr ROTC I Navy Jr ROTC II Navy Jr ROTC III Navy Jr ROTC IV	09101 09102 09103 09104
Air Force Jr ROTC I Air Force Jr ROTC II Air Force Jr ROTC III Air Force Jr ROTC IV	09151 09152 09153 09154
Marine Corps Jr ROTC I Marine Corps Jr ROTC II Marine Corps Jr ROTC III Marine Corps Jr ROTC IV Military Science - Aide Military Science - Independent Study Military Science - Workplace Experience Military Science - Other	09201 09202 09203 09204 09995 09997 09998 09999
Computer and Information Sciences	
Intro to Computers Computing Systems Computer and Information Tech Computer Applications Business Computer Applications Telecommunications IB Information Technology in Global Society Particular Topics in Computer Literacy Computer Literacy - Independent Study Computer Literacy - Workplace Experience	10001 10002 10003 10004 10005 10006 10007 10008 10047 10048

Computer Literacy - Other	10049
Information Management Database Management and Data Warehousing Database Applications Data Systems/Processing Particular Topics in Management and Information Systems Management Information Systems - Independent Study Management Information Systems - Workplace Experience Management Information Systems - Other	10051 10052 10053 10054 10055 10097 10098 10099
Network Technology Networking Systems Area Network Design and Protocols Router Basics NetWare Routing Wide Area Telecommunications and Networking Wireless Networks Network Security Essentials of Network Operating Systems Microsoft Certified Professional (MCP) Particular Topics in Networking Systems Networking Systems - Independent Study Networking Systems - Workplace Experience Networking Systems - Other	10101 10102 10103 10104 10105 10106 10107 10108 10109 10110 10111 10147 10148 10149
Business Programming Computer Programming Visual Basic (VB) Programming C++ Programming Java Programming Computer Programming - Other Language AP Computer Science A AP Computer Science AB IB Computing Studies Particular Topics in Computer Programming Computer Programming - Independent Study Computer Programming - Workplace Experience Computer Programming - Other	10151 10152 10153 10154 10155 10156 10157 10158 10159 10160 10197 10198 10199
Web Page Design Computer Graphics Interactive Media Particular Topics in Media Tech Media Technology - Independent Study Media Technology - Workplace Experience Media Technology - Other	10201 10202 10203 10204 10247 10248 10249
Computer Technology Computer Maintenance Information Support and Services	10251 10252 10253

IT Essentials: PC Hardware and Software CISCO - PNIE Particular Topics in Info Support and Services Info Support and Services - Independent Study Info Support and Services - Workplace Experience Info Support and Services - Other	10254 10255 10256 10297 10298 10299
Computer and Info Sciences - Aide Computer and Info Sciences - Independent Study Computer and Info Sciences - Workplace Experience Computer and Info Sciences - Other	10995 10997 10998 10999
Communication and Audio/Video Technology	
Intro to Communication Communication Technology Particular Topics in Communication Communication - Independent Study Communication - Workplace Experience Communication - Other	11001 11002 11003 11047 11048 11049
Audio/Visual Production Commercial Photography Photographic Lab and Darkroom Photo Imaging Video Particular Topics in Audio/Visual Technology and Film Audio/Visual Technology and Film - Independent Study Audio/Visual Technology and Film - Workplace Experience	11051 11052 11053 11054 11055 11056 11097 11098
Journalism Photojournalism Broadcasting Technology Publication Production Particular Topics in Journalism and Broadcasting Journalism and Broadcasting - Independent Study Journalism and Broadcasting - Workplace Experience Journalism and Broadcasting - Other	11101 11102 11103 11104 11105 11147 11148 11149
Digital Media Tech Desktop Publishing Digital Media Design and Prod Commercial Graphic Design Graphic Technology Photography and Printing Technology Photoengraving Print Press Operations Particular Topics in Printing Technology and Production Printing Technology - Independent Study Printing Technology - Workplace Experience Printing Technology - Other	11151 11152 11153 11154 11155 11156 11157 11158 11159 11197 11198 11199

Communication and Audio/Visual Technology - Aide Communication and A/V Technology - Independent Study Communication and A/V Technology - Workplace Experience Communication and A/V Technology - Other	11995 11997 11998 11999
Business and Marketing	
Business/Office Career Exploration Office Procedures - Comp Office and Admin Tech Office Services Keyboarding Word Processing Recordkeeping Particular Topics in Admin Business Communications Admin - Independent Study Admin - Workplace Experience Admin - Other	12001 12002 12003 12004 12005 12006 12007 12008 12009 12047 12048 12049
Introductory Business Business Management Entrepreneurship Business Law Business Principles and Management International Business and Marketing Human Resources and Labor Relations Human Resources Management IB Business and Management Management - Independent Study Management - Workplace Experience Management - Other	12051 12052 12053 12054 12055 12056 12057 12058 12059 12097 12098 12099
Banking and Finance Banking Finance Accounting Business Econ Risk Management and Insurance Investing Finance - Independent Study Finance - Workplace Experience Finance - Other	12101 12102 12103 12104 12105 12106 12107 12147 12148 12149
Marketing Career Exploration Marketing - Comp Marketing - Fashion Marketing - Real Estate Marketing - Transportation Marketing - Food/Beverage Marketing - Insurance Marketing - Floristry	12151 12152 12153 12154 12155 12156 12157 12158

Marketing - Hospitality/Tourism Marketing - Merchandising Retail Marketing Internet Marketing Sports and Entertainment Marketing Principles of Marketing Principles of Advertising Marketing Management Marketing - Other Specialization Marketing - Independent Study Marketing - Workplace Experience Marketing - Other	12159 12160 12161 12162 12163 12164 12165 12166 12167 12197 12198 12199
Cashier/Checker Operations Principles of Selling Sales - Independent Study Sales - Workplace Experience Sales - Other	12201 12202 12247 12248 12249
Business and Marketing - Aide Business and Marketing - Independent Study Business and Marketing - Workplace Experience Business and Marketing - Other	12995 12997 12998 12999
Manufacturing	
Exploration of Manufacturing Occupations Manufacturing - Comprehensive Industrial Arts Industrial Safety/First Aid	13001 13002 13003 13004
	10001
Material and Processes Metal and Wood Processing/Production Wood Processing/Production Metal Processing/Production Plastics Processing/Production Ceramic Processing/Production Particular Topics in Processing and Production Processing/Production - Independent Study Processing/Production - Workplace Experience Processing/Production - Other	13052 13053 13054 13055 13056 13057 13058 13097 13098 13099
Material and Processes Metal and Wood Processing/Production Wood Processing/Production Metal Processing/Production Plastics Processing/Production Ceramic Processing/Production Particular Topics in Processing and Production Processing/Production - Independent Study Processing/Production - Workplace Experience	13053 13054 13055 13056 13057 13058 13097 13098

Particular Topics in Machining Sheet Metal Particular Topics in Sheet Metal Welding Particular Topics in Welding Particular Topics in Metalwork Metalwork - Independent Study Metalwork - Workplace Experience Metalwork - Other	13204 13205 13206 13207 13208 13209 13247 13248 13249
Appliance Repair Equipment Maintenance and Repair Repair - Independent Study Repair - Workplace Experience Repair - Other	13301 13302 13347 13348 13349
Manufacturing - Aide Manufacturing - Independent Study Manufacturing - Workplace Experience Manufacturing - Other	13995 13997 13998 13999
Health Care Sciences	
Exploration of Health Care Occupations	14001
Health Care Occupations - Comprehensive	14002
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Nursing	14051
Nursing -LPN	14052
Nursing -LPN Home Health Care	14052 14053
Nursing -LPN Home Health Care Dental Science	14052 14053 14054
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology	14052 14053 14054 14055
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology	14052 14053 14054 14055 14056
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care	14052 14053 14054 14055 14056 14057
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics	14052 14053 14054 14055 14056 14057 14058
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology	14052 14053 14054 14055 14056 14057 14058 14059
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy	14052 14053 14054 14055 14056 14057 14058 14059 14060
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063 14097
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study Therapeutic Services - Workplace Experience	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063 14097 14098
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study Therapeutic Services - Other Dental Lab Technology	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063 14097 14098
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study Therapeutic Services - Workplace Experience Therapeutic Services - Other Dental Lab Technology Medical Lab Technology	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063 14097 14098 14099
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study Therapeutic Services - Workplace Experience Therapeutic Services - Other Dental Lab Technology Medical Lab Technology EKG Technology	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063 14097 14098 14099
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study Therapeutic Services - Workplace Experience Therapeutic Services - Other Dental Lab Technology Medical Lab Technology EKG Technology Phlebotomy	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063 14097 14098 14099
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study Therapeutic Services - Workplace Experience Therapeutic Services - Other Dental Lab Technology Medical Lab Technology EKG Technology Phlebotomy Particular Topics in Diagnostic Services	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063 14097 14098 14099 14101 14102 14103 14104 14105
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study Therapeutic Services - Workplace Experience Therapeutic Services - Other Dental Lab Technology Medical Lab Technology EKG Technology Phlebotomy Particular Topics in Diagnostic Services Diagnostic Services - Independent Study	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063 14097 14098 14099 14101 14102 14103 14104 14105 14105
Nursing -LPN Home Health Care Dental Science Emergency Medical Technology Surgical Technology Vision Care Optometrics Gerontology Physical therapy Respiratory Therapy Care of Athletes Particular Topics in Therapeutic Services Therapeutic Services - Independent Study Therapeutic Services - Workplace Experience Therapeutic Services - Other Dental Lab Technology Medical Lab Technology EKG Technology Phlebotomy Particular Topics in Diagnostic Services	14052 14053 14054 14055 14056 14057 14058 14059 14060 14061 14062 14063 14097 14098 14099 14101 14102 14103 14104 14105

Medical/Clerical Assisting Pharmacy Assisting Medical Office Procedures Medical Terminology Particular Topics in Health Info Health Information - Independent Study Health Information - Workplace Experience Health Information - Other	14151 14152 14153 14154 14155 14197 14198 14199
Central Service Technology Health Support Services Health Unit Coordination Particular Topics in Support Services Health Support Services - Independent Study Health Support Services - Workplace Experience Health Support Services - Other	14201 14202 14203 14204 14247 14248 14249
Health Science Biotechnology Pharmacology Particular Topics in Health Sciences Health Science - Independent Study Health Science - Workplace Experience Health Science - Other Health Care Science - Aide Health Care Science - Independent Study Health Care Science - Workplace Experience	14251 14252 14253 14254 14297 14298 14299 14995 14997 14998
Health Care Science - Workplace Experience Health Care Science - Other Public, Protective, and Government Services	14999
Exploration of Public Service Careers	15001
Criminal Justice Corrections Particular Topics in Law Enforcement Law Enforcement - Independent Study Law Enforcement - Workplace Experience Law Enforcement - Other	15051 15052 15053 15097 15098 15099
Public Safety Security Services Particular Topics in Security Security and Protection - Independent Study Security and Protection - Workplace Experience Security and Protection - Other	15101 15102 15103 15147 15148 15149
Fire Science Fire Fighting Particular Topics in Fire Management Fire Management - Independent Study	15151 15152 15153 15197

Fire Management - Workplace Experience	15198
Fire Management - Other	15199
Public Administration	15201
Community Protection	15202
Public Policy	15203
Gov't Service - Independent Study	15247
Gov't Service - Workplace Experience	15248
Gov't Service - Other	15249
Public, Protective, and Gov't Service - Aide	15995
Public, Protective, and Gov't Service - Aide Public, Protective, and Gov't Service - Independent Study	15997
Public, Protective, and Gov't Service - Independent Study Public, Protective, and Gov't Service - Workplace Experience	15998
Public, Protective, and Gov't Service - Workplace Experience Public, Protective, and Gov't Service - Other	15999
Fublic, Flotective, and Gov t Service - Other	15999
Hospitality and Tourism	
Exploration of Hospitality Careers	16001
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Exploration of Restaurant, Food and Beverage Service	16051
Restaurant, Food and Beverage Service - Comprehensive	16052
Food Service	16053
Nutrition and Food Prep	16054
Restaurant Management and Operations	16055
Culinary Art Specialty	16056
Particular Topics in Restaurant, Food and Beverage	16057
Restaurant, Food and Beverage Service - Independent Study	16097
Restaurant, Food and Beverage Service - Workplace Experience	16098
Restaurant, Food and Beverage Service - Other	16099
Exploration of Lodging Coroors	16101
Exploration of Lodging Careers	16101
Lodging - Comprehensive Institutional Maintenance	16102
	16103
Particular Topics in Lodging	16104
Lodging - Independent Study	16147
Lodging - Workplace Experience	16148 16149
Lodging - Other	10149
Intro to Travel and Tourism	16151
Travel and Tourism - Comp	16152
World Travel and Tourism	16153
Eco-Tourism	16154
Particular Topics in Travel and Tourism	16155
Travel and Tourism - Independent Study	16197
Travel and Tourism - Workplace Experience	16198
Travel and Tourism - Other	16199
Fundamentian of Decreation Appropriate and Attended	40004
Exploration of Recreation, Amusement and Attractions	16201
Recreation, Amusement and Attract - Comp	16202
Particular Topics in Recreation, Amusement and Attract	16203
Recreation, Amusement and Attract - Independent Study	16247
Recreation, Amusement and Attract - Workplace Experience	16248

Recreation, Amusement and Attract - Other Hospitality and Tourism - Aide Hospitality and Tourism - Independent Study Hospitality and Tourism - Workplace Experience Hospitality and Tourism - Other	16249 16995 16997 16998 16999
Architecture and Construction	
Construction Careers Exploration Construction - Comprehensive Carpentry Framing Carpentry Particular Topics in Carpentry Woodworking Cabinetmaking Masonry Building Maintenance Home Maintenance Home Maintenance Wall finishings Upholstering General Construction - Independent Study General Construction - Workplace Experience	17001 17002 17003 17004 17005 17006 17007 17008 17009 17010 17010 17011 17012 17047 17048
Air Conditioning Refrigeration Heating Air Condition / Refrigeration Air Conditioning, Heating and Refrigeration Heating, Ventilation and Air Conditioning Particular Topics in HVACR Plumbing Plumbing and Heating Air Conditioning, Heating and Plumbing - Independent Study Air Conditioning, Heating and Plumbing - Workplace Experience Air Conditioning, Heating and Plumbing - Other	17049 17051 17052 17053 17054 17055 17056 17057 17058 17059 17097 17098 17099
Exploration of Electricity/Electronics Electricity - Comprehensive Residential Wiring Industrial Electricity Particular Topics in Electricity Electronics - Comprehensive Particular Topics in Electronics Electricity/Electronics - General Particular Topics in Electricity/Electronics Analog and Digital Circuits Analog Circuits Digital Circuits Electricity/Electronics - Independent Study Electricity/Electronics - Workplace Experience	17101 17102 17103 17104 17105 17106 17107 17108 17109 17110 17111 17112 17147

Electricity/Electronics - Other	17149
Architecture and Construction - Aide Architecture and Construction - Independent Study Architecture and Construction - Workplace Experience Architecture and Construction - Other	17995 17997 17998 17999
Agriculture and Natural Resources	
Intro to Agriculture and Natural Resources Agriculture - Comprehensive Agriculture and Natural Resources - Comprehensive	18001 18002 18003
Plant Production/Science General Horticulture Ornamental Horticulture Turf and Landscape Management Soil Science Particular Topics in Plant Systems Plant Systems - Independent Study Plant Systems - Workplace Experience Plant Systems - Other	18051 18052 18053 18054 18055 18056 18097 18098 18099
Animal Production Science Small Animal Care Large Animal Care Equine Science Vet Science Particular Topics in Animal Systems Animal Systems - Independent Study Animal Systems - Workplace Experience Animal Systems - Other	18101 18102 18103 18104 18105 18106 18147 18148 18149
Agribusiness Management Agribusiness Entrepreneurship Agribusiness Leadership Particular Topics in Agribusiness Agribusiness - Independent Study Agribusiness - Workplace Experience Agribusiness - Other	18201 18202 18203 18204 18247 18248 18249
Agricultural Prod Agricultural Processing Plant Processing Animal Processing Food Product Processing Aquaculture Agriculture and Society Agricultural Biotech Particular Topics in Agricultural Prod/Processing Agricultural Prod and Processing - Independent Study Agricultural Prod and Processing - Workplace Experience	18301 18302 18303 18304 18305 18306 18307 18308 18309 18347 18348

Agricultural Prod and Processing - Other	18349
Agriculture Mechanics/Equipment/Structures	18401
Agriculture Mechanics and Equipment	18402
Agriculture Structures	18403
Agriculture Welding	18404
Particular Topics in Agricultural Mechanics and Construction	18405
Agricultural Mechanics and Construction - Independent Study	18447
Agricultural Mechanics and Construction - Workplace Experience	18448
Agricultural Mechanics and Construction - Other	18449
Wildlife Management	18501
Forestry	18502
Forestry Harvesting	18503
Natural Resources Management	18504
Particular Topics in Natural Resources	18505
Natural Resources - Independent Study	18547
Natural Resources - Workplace Experience	18548
Natural Resources - Other	18549
Agriculture, Food and Nat Resources - Aide	18995
Agriculture, Food and Nat Resources - Independent Study	18997
Agriculture, Food and Nat Resources - Workplace Experience	18998
Agriculture, Food and Nat Resources - Other	18999
Human Services	
Human Services Career Exploration	19001
Human Services Career Exploration Child Care	19001 19051
Child Care	19051
Child Care Child Development	19051 19052
Child Care Child Development Elder Care	19051 19052 19053
Child Care Child Development Elder Care Caregiving Service	19051 19052 19053 19054
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience	19051 19052 19053 19054 19055
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study	19051 19052 19053 19054 19055 19097
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other	19051 19052 19053 19054 19055 19097 19098
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience	19051 19052 19053 19054 19055 19097 19098 19099
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing	19051 19052 19053 19054 19055 19097 19098 19099
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering	19051 19052 19053 19054 19055 19097 19098 19099
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering Hair Styling	19051 19052 19053 19054 19055 19097 19098 19099 19101 19102 19103
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering Hair Styling Cosmetology - Non-licensing	19051 19052 19053 19054 19055 19097 19098 19099 19101 19102 19103 19104
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering Hair Styling Cosmetology - Non-licensing Cosmetology - Nail Specialization	19051 19052 19053 19054 19055 19097 19098 19099 19101 19102 19103 19104 19105
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering Hair Styling Cosmetology - Non-licensing Cosmetology - Nail Specialization Cosmetology - Facial Specialization	19051 19052 19053 19054 19055 19097 19098 19099 19101 19102 19103 19104 19105 19106
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering Hair Styling Cosmetology - Non-licensing Cosmetology - Nail Specialization Cosmetology - Facial Specialization Particular Topics in Cosmetology Cosmetology - Independent Study Cosmetology - Workplace Experience	19051 19052 19053 19054 19055 19097 19098 19099 19101 19102 19103 19104 19105 19106 19107
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering Hair Styling Cosmetology - Non-licensing Cosmetology - Nail Specialization Cosmetology - Facial Specialization Particular Topics in Cosmetology Cosmetology - Independent Study	19051 19052 19053 19054 19055 19097 19098 19099 19101 19102 19103 19104 19105 19106 19107 19147
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering Hair Styling Cosmetology - Non-licensing Cosmetology - Nail Specialization Cosmetology - Facial Specialization Particular Topics in Cosmetology Cosmetology - Independent Study Cosmetology - Workplace Experience Cosmetology - Other	19051 19052 19053 19054 19055 19097 19098 19099 19101 19102 19103 19104 19105 19106 19107 19147 19148 19149
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering Hair Styling Cosmetology - Non-licensing Cosmetology - Nail Specialization Cosmetology - Facial Specialization Particular Topics in Cosmetology Cosmetology - Independent Study Cosmetology - Workplace Experience Cosmetology - Other Teaching Profession	19051 19052 19053 19054 19055 19097 19098 19099 19101 19102 19103 19104 19105 19106 19107 19147 19148 19149
Child Care Child Development Elder Care Caregiving Service Particular Topics in Child and Elder Care Child and Elder Care - Independent Study Child and Elder Care - Workplace Experience Child and Elder Care - Other Cosmetology - Licensing Barbering Hair Styling Cosmetology - Non-licensing Cosmetology - Nail Specialization Cosmetology - Facial Specialization Particular Topics in Cosmetology Cosmetology - Independent Study Cosmetology - Workplace Experience Cosmetology - Other	19051 19052 19053 19054 19055 19097 19098 19099 19101 19102 19103 19104 19105 19106 19107 19147 19148 19149

Particular Topics in Education Ed - Independent Study Ed - Workplace Experience Ed - Other	19154 19197 19198 19199
Clothing and Textiles Clothing/Textile Maintenance Apparel Construction Apparel and Textile Services Home Furnishing Home Furnishing Prod Particular Topics in Apparel and Furnishings Apparel and Furnishings - Independent Study Apparel and Furnishings - Workplace Experience Apparel and Furnishings - Other	19201 19202 19203 19204 19205 19206 19207 19247 19248 19249
Human Services - Aide Human Services - Independent Study Human Services - Workplace Experience Human Services - Other	19995 19997 19998 19999
Transportation, Distribution, and Logistics	
Exploration of Transportation, Dist and Logistics	20001
Truck and Bus Driving Heavy Equipment Operation Aviation Boat Operation Operation - Independent Study Operation - Workplace Experience Operation - Other	20051 20052 20053 20054 20097 20098 20099
Energy/Power Power and Mechanics Intro to Automobiles Automotive Mechanics - Comprehensive Particular Topics in Automotive Mechanics Automotive Service Diesel Mechanics - Comprehensive Particular Topics in Diesel Mechanics Small Vehicle Mechanics Small Engine Mechanics Marine Mechanics Heavy Equipment Mechanics Aircraft Power Plant Aircraft Airframe Automotive Detailing and Reconditioning Automotive Body Repair and Refinishing - Comp Particular Topics in Automotive Body Repair/Refinishing Boat Repair/Refinishing Mechanics and Repair - Independent Study	20101 20102 20103 20104 20105 20106 20107 20108 20109 20110 20111 20112 20113 20114 20115 20116 20117 20118 20147

Mechanics and Repair - Workplace Experience	20148
Mechanics and Repair - Other	20149
Distribution - Comprehensive	20151
Warehouse Operations	20152
Distribution and Logistics - Independent Study	20197
Distribution and Logistics - Workplace Experience	20198
Distribution and Logistics - Other	20199
Distribution and Logistics Carlot	20.00
Transportation, Distribution and Logistics - Aide	20995
Transportation, Distribution and Logistics - Independent Study	20997
Transportation, Distribution and Logistics - Workplace Experience	20998
Transportation, Distribution and Logistics - Other	20999
Transportation, Distribution and Logistics - Other	20999
Engineering and Technology	
	21001
Pre-Engineering Technology	21001
Engineering Applications	
Engineering Technology	21003
Principles of Engineering	21004
Engineering - Comprehensive	21005
Engineering Design	21006
Engineering Design and Development	21007
Digital Electronics	21008
Robotics	21009
Computer Integrated Mfg	21010
Civil Engineering	21011
Civil Engineering	21011
Civil Engineering and Architecture	21012
Aerospace Engineering	21013
Biotechnical Engineering	21014
Particular Topics in Engineering	21015
Engineering - Independent Study	21047
Engineering - Workplace Experience	21048
Engineering - Other	21049
Technological Literacy	21051
Technological Processes	21052
Emerging Technologies	21053
Technology Innovation and Assessment	21054
Aerospace Technology	21055
Particular Topics in Technology Applications	21056
Technology - Independent Study	21097
Technology - Workplace Experience	21098
Technology - Other	21099
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Drafting Careers Exploration	21101
Drafting - General	21102
Drafting - Architectural	21103
Drafting - Civil/Structural	21104
Drafting - Electrical/Electronic	21105
Drafting - Technical/Mechanical	21106
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CAD Design and Software Blueprint Reading Drafting - Independent Study Drafting - Workplace Experience Drafting - Other	21107 21108 21147 21148 21149
Engineering and Technology - Aide Engineering and Technology - Independent Study Engineering and Technology - Workplace Experience Engineering and Technology - Other	21995 21997 21998 21999
Miscellaneous	
Standardized Test Preparation State Test Preparation Study Skills Dropout Prevention Program Tutorial Study Hall	22001 22002 22003 22004 22005 22006
Office Aide Guidance Aide Library/AVC Aide Tutoring Practicum	22051 22052 22053 22054
Leadership School Orientation School Government Community Service Values Clarification Seminar	22101 22102 22103 22104 22105 22106
Career Exploration Employability Skills Diversified Occupations	22151 22152 22153
Family and Consumer Science - Comprehensive Food and Nutrition Food Science Child Development/Parenting Clothing/Sewing Life Skills Self Management Family Living Personal Development Consumer Economics/Personal Finance Home Décor Family and Consumer Science - Aide Family and Consumer Science - Independent Study Family and Consumer Science - Other	22201 22202 22203 22204 22205 22206 22207 22208 22209 22210 22211 22245 22247 22249
Community Living	22251

Communication Instruction	22252
Social Development Instruction	22253
Developmental Support	22254
Miscellaneous - Aide	22995
Miscellaneous - Independent Study	22997
Miscellaneous - Workplace Experience	22998
Miscellaneous - Other	22999

Appendix B: Alphabetical List of SCED Course Codes and Titles

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02112	Abstract Algebra	06839	American Indian Language Other
02113 12104	Abstract Algebra Accounting	06828	American Indian Language - Other American Indian Language Conversation and Culture
08007	Adapted Physical Ed	06827	American Indian Language Field Exp
12047	Admin - IS	06826	American Indian Language for Native Speakers
12049	Admin - Other	06821	American Indian Language I
12048	Admin - Workplace Exp	06822	American Indian Language II
05163	Advertising Design	06823	American Indian Language III
03209	Aerospace	06824	American Indian Language IV
21013	Aerospace Engineering	06825	American Indian Language V
21055	Aerospace Tech	06829	American Indian Lit
06799	African (Non Semitic) Lang - Other	01054	American Literature
18002	Ag - Comp	01055	American Literature/History
18003	Ag and Natural Resources - Comp	06819	American Sign Language - Other
18307	Ag and Society	06801	American Sign Language I
18308	Ag Biotech	06802	American Sign Language II
18202	Ag Entrepreneurship	06803	American Sign Language III
18203	Ag Leadership	06804	American Sign Language IV
18447	Ag Mechanics and Construction - IS	06805	American Sign Language V
18449	Ag Mechanics and Construction - Other	17110	Analog and Digital Circuits
18448	Ag Mechanics and Construction - Workplace Exp	17111	Analog Circuits
18402	Ag Mechanics and Equipment	02073	Analytic Geometry
18401	Ag Mechanics/Equipment/Structures	02073	Analytic Mathematics - Other
18302		03054	•
	Ag Processing		Anatomy
18301	Ag Prod	03053	Anatomy and Physiology
18347	Ag Prod and Processing - IS	04060	Ancient and Medieval History
18349	Ag Prod and Processing - Other	04058	Ancient Civilization
18348	Ag Prod and Processing - Workplace Exp	18304	Animal Processing
18403	Ag Structures	18101	Animal Production Science
18404	Ag Welding	18147	Animal Systems - IS
18995	Ag, Food and Nat Resources - Aide	18149	Animal Systems - Other
18997	Ag, Food and Nat Resources - IS	18148	Animal Systems - Workplace Exp
18999	Ag, Food and Nat Resources - Other	04251	Anthropology
18998	Ag, Food and Nat Resources - Workplace Exp	05153	AP Art - History of Art
18247	Agribusiness - IS	03056	AP Biology
18249	Agribusiness - Other	02124	AP Calc AB
18248	Agribusiness - Workplace Exp	02125	AP Calc BC
18201	Agribusiness Mgmt	03106	AP Chemistry
17054	Air Condition / Refrigeration	04158	AP Comparative Government and Politics
17051	Air Conditioning	10157	AP Computer Science A
17097	Air Conditioning, Heating and Plumbing - IS	10158	AP Computer Science AB
17099	Air Conditioning, Heating and Plumbing - Other	04205	AP Econ
17098	Air Conditioning, Heating and Plumbing - Workplace Exp	01005	AP English Lang and Comp
17055	Air Conditioning, Heating and Refrigeration	01006	AP English Lit and Comp
09151	Air Force Jr ROTC I	03207	AP Environmental Science
09152	Air Force Jr ROTC II	04056	AP European History
09153	Air Force Jr ROTC III	06132	AP French Lang
09154	Air Force Jr ROTC IV	06132	AP French Lit
20114	Air roice of Note IV Aircraft Airframe	06212	
			AP Covernment
20113	Aircraft Power Plant	04159	AP Liveran Cook
02069	Algebra - Other	04004	AP Human Geog
02052	Algebra I	06313	AP Latin (Virgil, Catullus, and Horace)
02053	Algebra I - Part 1	04204	AP Macroeconomics
02054	Algebra I - Part 2	04203	AP Microeconomics
02056	Algebra II	05114	AP Music Theory
02057	Algebra III	03155	AP Physics B

02156			
03156	AP Physics C	06643	Balto-Slavic Language III
04256	AP Psych	06644	Balto-Slavic Language IV
06112	AP Spanish Lang	06645	Balto-Slavic Language V
06113	AP Spanish Lit	06649	Balto-Slavic Lit
02203	AP Stats	12102	Banking
05172	AP Studio Art - Drawing Portfolio	12101	Banking and Finance
05171	AP Studio Art - General Portfolio	19102	Barbering
	AP US Government and Politics		_
04157		07008	Bible History
04104	AP US History	01059	Biblical Literature
04057	AP World History	03051	Biology
03203	App Bio/Chemistry	03052	Biology - Adv
01156	App Eng and Communications	03097	Biology - IS
19247	Apparel and Furnishings - IS	03099	Biology - Other
19249	Apparel and Furnishings - Other	03098	Biology - Workplace Exp
19248	Apparel and Furnishings - Workplace Exp	21014	Biotechnical Engineering
19204	Apparel and Textile Services	14252	Biotechnology
19203	Apparel Construction	21108	Blueprint Reading
13301	Appliance Repair	20054	Boat Operation
18306	Aquaculture	20118	Boat Repair/Refinishing
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08010	Aquatic/Water Sports	03058	Botany
06728	Arabic Conversation and Culture	01056	British Literature
06727	Arabic Field Exp	01057	British Literature/History
06726	Arabic for Native Speakers	11103	Broadcasting Tech
06721	Arabic I	17009	Building Maintenance
06722	Arabic II	12995	Business and Marketing - Aide
06723	Arabic III	12997	Business and Marketing - IS
06724	Arabic IV	12999	Business and Marketing - Other
06729	Arabic Lit	12998	Business and Marketing - Workplace Exp
06725	Arabic V	12009	Business Communications
17995	Architecture and Construction - Aide	10005	Business Computer Applications
17997	Architecture and Construction - IS	12105	Business Econ
	Architecture and Construction - Other		Business Law
17999		04164	
17998	Architecture and Construction - Workplace Exp	12054	Business Law
17998 10103	Architecture and Construction - Workplace Exp Area Network Design and Protocols	12054 02154	Business Law Business Math
17998 10103 09051	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I	12054 02154 02155	Business Law Business Math Business Math w/ Algebra
17998 10103 09051 09052	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II	12054 02154 02155 12052	Business Law Business Math Business Math w/ Algebra Business Mgmt
17998 10103 09051 09052 09053	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III	12054 02154 02155 12052 12055	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt
17998 10103 09051 09052	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II	12054 02154 02155 12052	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming
17998 10103 09051 09052 09053	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III	12054 02154 02155 12052 12055	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt
17998 10103 09051 09052 09053 09054	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV	12054 02154 02155 12052 12055 10151	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming
17998 10103 09051 09052 09053 09054 05151	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation	12054 02154 02155 12052 12055 10151	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming
17998 10103 09051 09052 09053 09054 05151 05152	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History	12054 02154 02155 12052 12055 10151	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading	12054 02154 02155 12052 12055 10151 12001	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy	12054 02154 02155 12052 12055 10151 12001 10154 17007	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC IV Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual Production	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp Audio/Visual Production Automotive Body Repair and Refinishing - Comp	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning Automotive Mechanics - Comp	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104 20106	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Mechanics - Comp Automotive Service	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning Automotive Mechanics - Comp	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201 06279	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations Celtic Language - Other
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104 20106	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC IV Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning Automotive Mechanics - Comp Automotive Service Aviation	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201 06279 06268	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations Celtic Language - Other Celtic Language Conversation and Culture
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104 20106	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Mechanics - Comp Automotive Service	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201 06279	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations Celtic Language - Other
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104 20106	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC IV Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning Automotive Mechanics - Comp Automotive Service Aviation	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201 06279 06268	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations Celtic Language - Other Celtic Language Conversation and Culture
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104 20106 20053	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning Automotive Mechanics - Comp Automotive Service Aviation	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201 06279 06268 06267	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations Celtic Language - Other Celtic Language Field Exp
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104 20106 20053	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC II Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning Automotive Mechanics - Comp Automotive Service Aviation B Balto-Slavic Language - Other Balto-Slavic Language Conversation and Culture	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201 06279 06268 06267 06266	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations Celtic Language - Other Celtic Language Field Exp Celtic Language for Native Speakers Celtic Language I
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104 20106 20053	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning Automotive Mechanics - Comp Automotive Service Aviation B Balto-Slavic Language - Other Balto-Slavic Language Field Exp	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201 06279 06268 06267 06266 06261 06262	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations Celtic Language - Other Celtic Language Field Exp Celtic Language I Celtic Language I Celtic Language II
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104 20106 20053	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning Automotive Mechanics - Comp Automotive Service Aviation B Balto-Slavic Language - Other Balto-Slavic Language Field Exp Balto-Slavic Language for Native Speakers	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201 06279 06268 06267 06266 06261 06262 06263	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations Celtic Language - Other Celtic Language Field Exp Celtic Language II Celtic Language II Celtic Language III
17998 10103 09051 09052 09053 09054 05151 05152 05170 01067 03004 11097 11098 11051 20116 20115 20104 20106 20053	Architecture and Construction - Workplace Exp Area Network Design and Protocols Army Jr ROTC I Army Jr ROTC III Army Jr ROTC IV Art Appreciation Art History Art Portfolio Assisted Reading Astronomy Audio/Visual - IS Audio/Visual - Workplace Exp Audio/Visual Production Automotive Body Repair and Refinishing - Comp Automotive Detailing and Reconditioning Automotive Mechanics - Comp Automotive Service Aviation B Balto-Slavic Language - Other Balto-Slavic Language Field Exp	12054 02154 02155 12052 12055 10151 12001 10154 17007 21107 02121 14062 22151 19054 17003 12201 06279 06268 06267 06266 06261 06262	Business Law Business Math Business Math w/ Algebra Business Mgmt Business Principles and Mgmt Business Programming Business/Office Career Exploration C C++ Programming Cabinetmaking CAD Design and Software Calc Care of Athletes Career Exploration Caregiving Service Carpentry Cashier/Checker Operations Celtic Language - Other Celtic Language Field Exp Celtic Language I Celtic Language I Celtic Language II

00000	Coltin Lit	04454	Compositive Covernment
06269	Celtic Lit	04154	Comparative Government
14201	Central Service Tech	07002	Comparative Religion
13057	Ceramic Processing/Prod	01103	Composition
05159	Ceramics/Pottery	01147	Composition - IS
03101	Chemistry	01149	Composition - Other
03102	Chemistry - Adv	01148	Composition - Workplace Exp
03147	Chemistry - IS	05119	Composition/songwriting
03149	Chemistry - Other	10995	Computer and Info Sciences - Aide
03148	Chemistry - Workplace Exp	10997	Computer and Info Sciences - IS
03105	Chemistry in the Community	10999	Computer and Info Sciences - Other
19097	Child and Elder Care - IS	10998	Computer and Info Sciences - Workplace Exp
19099	Child and Elder Care - Other	10003	Computer and Info Tech
19098	Child and Elder Care - Workplace Exp	10004	Computer Applications
19051	Child Care	05169	Computer Assisted Art
19052	Child Development	10202	Computer Graphics
22204	Child Development/Parenting	21010	Computer Integrated Mfg
06408	Chinese Conversation and Culture	10047	Computer Literacy - IS
06407	Chinese Field Exp	10049	Computer Literacy - Other
06406	Chinese for Native Speakers	10048	Computer Literacy - Workplace Exp
06401	Chinese I	10252	Computer Maintenance
06402	Chinese II	02156	Computer Math / Algebra
06403	Chinese III	10152	Computer Programming
06404	Chinese IV	10197	Computer Programming - IS
06409	Chinese Lit	10199	Computer Programming - Other
06405	Chinese V	10156	Computer Programming - Other Lang
05005	Choreography	10198	Computer Programming - Workplace Exp
05110	Chorus	10251	Computer Tech
07009	Christology	10002	Computing Systems
10255	CISCO - PNIE	03062	Conceptual Biology
04161	Civics	03002	Conceptual Physics
21011	Civil Engineering	05101	Concert Band
21011		17002	Construction - Comp
21011	Civil Engineering	17002	Construction Careers Exploration
	Civil Engineering and Architecture		•
06321	Classical Greek I Classical Greek II	22210	Consumer Economics/Personal Finance
06322		04163	Consumer Law
06323	Classical Greek III	02157	Consumer Math
06324	Classical Greek IV	05105	Contemporary LIS leaves
06325	Classical Greek V	04106	Contemporary US Issues
06359	Classical Lang - Other	04064	Contemporary World Issues
19201	Clothing and Textiles	08006	Corps Movement
22205	Clothing/Sewing	15052	Corrections
19202	Clothing/Textile Maintenance	01068	Corrective Reading
11154	Commercial Graphic Design	19106	Cosmetology - Facial Specialization
11052	Commercial Photography	19147	Cosmetology - IS
11047	Communication - IS	19101	Cosmetology - Licensing
11049	Communication - Other	19105	Cosmetology - Nail Specialization
11048	Communication - Workplace Exp	19104	Cosmetology - Non-licensing
11997	Communication and A/V Tech - IS	19149	Cosmetology - Other
11999	Communication and A/V Tech - Other	19148	Cosmetology - Workplace Exp
11998	Communication and A/V Tech - Workplace Exp	05165	Crafts
11995	Communication and Audio/Visual Tech - Aide	05154	Creative Art - Comp
22252	Communication Instruction	05156	Creative Art - Drawing
11002	Communication Tech	05155	Creative Art - Drawing/Painting
01155	Communications	05157	Creative Art - Painting
08053	Community Health	05158	Creative Art - Sculpture
22251	Community Living	01104	Creative Writing
15202	Community Protection	15051	Criminal Justice
22104	Community Service	16056	Culinary Art Specialty
04202	Comparative Econ		• •
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		03049	Earth Science - Other
	D	03048	Earth Science - Workplace Exp
05047	Dance - IS	06499	East Asian Language - Other
05049	Dance - Other	06488	East Asian Language Conversation and Culture
05048	Dance - Workplace Exp	06487	East Asian Language Field Exp
05004	Dance Appreciation	06486	East Asian Language for Native Speakers
05002	Dance Rep	06481	East Asian Language I
05001	Dance Technique	06482	East Asian Language II
10054	Data Systems/Processing	06483	East Asian Language III
10053	Database Applications	06484	East Asian Language IV
10052	Database Mgmt and Data Warehousing	06485	East Asian Language V
14101	Dental Lab Tech	06489	East Asian Lit
14054	Dental Science	07003	Eastern Religions
11152	Desktop Publishing	04201	Econ
22254	Developmental Support	04247	Econ - IS
14147	Diagnostic Services - IS	04249	Econ - Other
14149	Diagnostic Services - Other	04248	Econ - Workplace Exp
14148	Diagnostic Services - Workplace Exp	16154	Eco-Tourism
20107	Diesel Mechanics - Comp	19197	Ed - IS
02123	Differential Calc	19199	Ed - Other
17112	Digital Circuits	19198	Ed - Workplace Exp
21008	Digital Electronics	19152	Educational Methodology
11153	Digital Media Design and Prod	14103	EKG Tech
11151	Digital Media Tech	19053	Elder Care
05057	Directing	17102	Electricity - Comp
02102	Discrete Math	17108	Electricity/Electronics - General
20151	Distribution - Comp	17147	Electricity/Electronics - IS
20197	Distribution and Logistics - IS	17149	Electricity/Electronics - Other
20199	Distribution and Logistics - Other	17148	Electricity/Electronics - Workplace Exp
20198	Distribution and Logistics - Workplace Exp	13102	Electro-Mechanical Systems
22153	Diversified Occupations	17106	Electronics - Comp
21103	Drafting - Architectural	02109	Elem Functions
21104	Drafting - Civil/Structural	14055	Emergency Medical Technology
21105	Drafting - Electrical/Electronic	21053	Emerging Technologies
21102	Drafting - General	22152	Employability Skills
21147	Drafting - IS	20101	Energy/Power
21149	Drafting - Other	01203	Eng - Test Prep
21106	Drafting - Technical/Mechanical	01995	Eng Language and Lit - Aide
21148	Drafting - Workplace Exp	01997	Eng Language and Lit - IS
21101	Drafting Careers Exploration	01999	Eng Language and Lit - Other
05055	Drama - Acting/Performance	01998	Eng Language and Lit - Workplace Exp
05053	Drama - Comp	01201	Eng Morphology and Grammar
05056	Drama - Stagecraft	01992	Eng Proficiency Develop
05098	Drama - Workplace Exp	01102	Eng/Comp (11th and 12th)
05097	Drama/Stagecraft - IS	01101	Eng/Comp (9th and 10th)
05099	Drama/Stagecraft - Other	01052	Eng/Literature (11th and 12th)
08152	Drivers' Ed - Classroom and Lab	01051	Eng/Literature (9th and 10th)
08151	Driver's Education JS	21005	Engineering - Comp
08197 08199	Driver's Education - IS Driver's Education - Other	21047 21049	Engineering - IS
			Engineering - Other
08198 22004	Driver's Education - Workplace Experience	21048 21995	Engineering - Workplace Exp Engineering and Technology - Aide
22004	Dropout Prevention Program	21997	
	E	21997	Engineering and Technology - IS Engineering and Technology - Other
19153	Early Childhood Ed	21999	Engineering and Technology - Other Engineering and Technology - Workplace Exp
04102	Early US History	21996	Engineering Applications
03008	Earth and Space Science	21002	Engineering Design
03000	Earth Science	21007	Engineering Design and Development
03047	Earth Science - IS	21007	Engineering Tech
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01008	English as a Second Lang	06998	Foreign Lang and Lit - Workplace Exp
01001	English/Lang Arts I (9th grade)	06997	Foreign Language and Lit—Independent Study
01002	English/Lang Arts II (10th grade)	01153	Forensic Sp - Debate
01003	English/Lang Arts III (11th grade)	01152	Forensic Sp - Inclusive
01004	English/Lang Arts IV (12th grade)	01154	Forensic Sp - Individual Even
12053	Entrepreneurship	18502	Forestry
03003	Environmental Science	18503	Forestry Harvesting
18104	Equine Science	02047	Foundation Math - IS
13302	Equipment Maintenance and Repair	02049	Foundation Math - Other
10109	Essentials of Network Operating Systems	17004	Framing Carpentry
05054	Exploration in Drama	06128	French Conversation and Culture
17101	Exploration of Electricity/Electronics	06127	French Field Exp
			•
14001	Exploration of Health Care Occupations	06126	French for Native Speakers
16001	Exploration of Hospitality Careers	06121	French I
16101	Exploration of Lodging Careers	06122	French II
13001	Exploration of Manufacturing Occupations	06123	French III
15001	Exploration of Public Service Careers	06124	French IV
16201	Exploration of Recreation, Amusement and Attractions	06129	French Lit
16051	Exploration of Restaurant, Food and Beverage Service	06125	French V
20001	Exploration of Transp, Dist and Logistics		
05003	Expressive Movement		G
		02151	General Applied Math
	F	05101	General Band
07015	Faith and Lifestyle	17047	General Construction - IS
22245	Family and Consumer Science - Aide	17049	General Construction - Other
22201	Family and Consumer Science - Comp	17048	General Construction - Workplace Exp
22247	Family and Consumer Science - IS	18052	General Horticulture
22249	Family and Consumer Science - Other	02002	General Math
22208	Family Living	03059	Genetics
06528	Filipino Conversation and Culture	04047	Geog - IS
06527	Filipino Field Exp	04049	Geog - Other
06526	Filipino for Native Speakers	04048	Geog - Workplace Exp
06521	Filipino I	03002	Geology
			Geometry
06522	Filipino II	02072	•
06523	Filipino III	02079	Geometry - Other
06524	Filipino IV	06208	German Conversation and Culture
06529	Filipino Lit	06207	German Field Exp
06525	Filipino V	06206	German for Native Speakers
05168	Film/Videotape	06201	German I
12103	Finance	06202	German II
12147	Finance - IS	06203	German III
12149	Finance - Other	06204	German IV
12148	Finance - Workplace Exp	06209	German Lit
05995	Fine and Performing Art - Aide	06205	German V
05997	Fine and Performing Art - IS	06259	Germanic Language - Other
05999	Fine and Performing Art - Other	06248	Germanic Language Conversation and Culture
05998	Fine and Performing Art - Workplace Exp	06247	Germanic Language Field Exp
15152	Fire Fighting	06246	Germanic Language for Native Speakers
15197	Fire Mgmt - IS	06241	Germanic Language I
15199	Fire Mgmt - Other	06242	Germanic Language II
15198	Fire Mgmt - Workplace Exp	06243	Germanic Language III
15151	Fire Science	06244	Germanic Language IV
08005	Fitness/Conditioning	06245	Germanic Language V
22202	Food and Nutrition	06249	Germanic Lit
18305	Food Product Processing	14059	Gerontology
22203	Food Science	04197	Government, Politics and Law - IS
16053	Food Service	04197	Government, Politics and Law - 13
06995	Food Service Foreign Lang and Lit - Aide	04199	Government, Politics and Law - Other Government, Politics and Law - Workplace Exp
06999	Foreign Lang and Lit - Aide Foreign Lang and Lit - Other	15247	Gov't Service - IS
00000	i oroigh Lang and Lit - Other	10241	OUV LOGIVIOU - IO

15249	Gov't Service - Other	02991	History of Math
15248	Gov't Service - Workplace Exp	22211	Home Décor
05162	Graphic Design	19205	Home Furnishing
11155	Graphic Tech	19206	Home Furnishing Prod
06299	Greek - Other	14053	Home Health Care
06288	Greek Conversation and Culture	17010	Home Maintenance
06287	Greek Field Exp	17010	Home Maintenance
06286	Greek for Native Speakers	16995	Hospitality and Tourism - Aide
06281	Greek I	16997	Hospitality and Tourism - IS
06282	Greek II	16999	Hospitality and Tourism - Other
06283	Greek III	16998	Hospitality and Tourism - Workplace Experience
06284	Greek IV	12057	Human Resources and Labor Relations
06289	Greek Lit	12058	Human Resources Mgmt
06285	Greek V	19995	Human Services - Aide
22052	Guidance Aide	19997	Human Services - IS
05108	Guitar	19999	Human Services - Other
08008	Gymnastics	19998	Human Services - Workplace Exp
00000	Cymnastics	19001	Human Services Career Exploration
	Н	04302	Humanities
19103		04302	Humanities - IS
	Hair Styling	04347	
08052	Health and Fitness		Humanities - Other
08057	Health and Life Mgmt	04348	Humanities - Workplace Experience
14002	Health Care Occupations - Comp	04301	Humanities Survey
14995	Health Care Science - Aide		
14997	Health Care Science - IS	0-4-0	I I
14999	Health Care Science - Other	05173	IB Art/Design
14998	Health Care Science - Workplace Exp	03057	IB Biology
08051	Health Ed	12059	IB Business and Mgmt
08099	Health Ed - Other	03107	IB Chemistry
08097	Health Education - IS	06732	IB Classical Language - Arabic
08098	Health Education - Workplace Experience	06331	IB Classical Language - Greek
08056	Health for Parenting Teens	06712	IB Classical Language - Hebrew
14197	Health Info - IS	06311	IB Classical Language - Latin
14199	Health Info - Other	10159	IB Computing Studies
14198	Health Info - Workplace Exp	03206	IB Design Tech
14251	Health Science	04206	IB Econ
14297	Health Science - IS	03208	IB Environmental Science
14299	Health Science - Other	02134	IB Further Math - SL
14298	Health Science - Workplace Exp	04003	IB Geography
14202	Health Support Services	04054	IB History
14247	Health Support Services - IS	10007	IB Information Tech in Global Society
14249	Health Support Services - Other	04066	IB Islamic History
14248	Health Support Services - Workplace Exp	06130	IB Language A (non-Eng) - French
14203	Health Unit Coordination	06150	IB Language A (non-Eng) - Italian
17053	Heating	06170	IB Language A (non-Eng) - Portuguese
17056	Heating, Ventilation and Air Conditioning	06110	IB Language A (non-Eng) - Span
20112	Heavy Equipment Mechanics	06830	IB Language A (non-English) - American Indian Langua
20052	Heavy Equipment Operation	06730	IB Language A (non-English) - Arabic
06708	Hebrew Conversation and Culture	06650	IB Language A (non-English) - Balto-Slavic Language
06707	Hebrew Field Exp	06270	IB Language A (non-English) - Celtic Language
06706	Hebrew for Native Speakers	06410	IB Language A (non-English) - Chinese
06701	Hebrew I	06490	IB Language A (non-English) - East Asian Language
06702	Hebrew II	06530	IB Language A (non-English) - Filipino
06703	Hebrew III	06210	IB Language A (non-English) - German
06703	Hebrew IV	06250	IB Language A (non-English) - Germanic Language
06704	Hebrew Lit	06290	IB Language A (non-English) - Greek
06705	Hebrew V	06290	IB Language A (non-English) - Hebrew
05059	History and Lit of Theater	06850	IB Language A (non-English) - Indic Language
01202	History of Eng Lang	06690	IB Language A (non-English) - Iranian/Persian Languag
01202	Thotory of Englang	00090	is Earlyadyo / (non-English) - naman/n ersian Earlyady

06430	IB Language A (non-English) - Japanese	05109	Individual Technique - Instrumental Music
06450	IB Language A (non-English) - Korean	05112	Individual Technique - Vocal Music
06870	IB Language A (non-English) - Malayo-Polynesian Langua	08003	Individual/Dual Sports
06790	IB Language A (non-English) - Non Semitic African Langu	13003	Industrial Arts
06190	IB Language A (non-English) - Romance/Italic	17104	Industrial Electricity
06610	IB Language A (non-English) - Russian	13004	Industrial Safety/First Aid
06590	IB Language A (non-English) - Southeast Asian Language	02202	Inferential Probability and Stats
06770	IB Language A (non-English) - Swahili	10297	Info Support and Services - IS
06670	IB Language A (non-English) - Turkic/Ural-Altaic Languag	10299	Info Support and Services - Other
06510	IB Language A (non-English) - Vietnamese	10298	Info Support and Services - Workplace Exp
06831	IB Language B - American Indian Language	02071	Informal Geometry
06731	IB Language B - Arabic	02001	Informal Math
06651	IB Language B - Balto-Slavic Language	10051	Information Mgmt
06271	IB Language B - Celtic Language	10253	Information Support and Services
06411	IB Language B - Chinese	16103	Institutional Maintenance
06491	IB Language B - East Asian Language	05106	Instrumental Ensembles
06531	IB Language B - Filipino	05201	Integrated Fine Arts
06131	IB Language B - French	02061	Integrated Math - multi-year equivalent
06211	IB Language B - German	03201	Integrated Science
06251	IB Language B - Germanic Language	10203	Interactive Media
06291	IB Language B - Greek	12056	International Business and Marketing
06711	IB Language B - Hebrew	04155	International Relations
06851	IB Language B - Indic Language	12162	Internet Marketing
06691	IB Language B - Iranian/Persian Language	18001	Intro to Ag and Natural Resources
06151	IB Language B - Italian	20103	Intro to Automobiles
06431	IB Language B - Japanese	11001	Intro to Communication
06451	IB Language B - Korean	10001	Intro to Computers
06871	IB Language B - Malayo-Polynesian Language	09001	Intro to Jr ROTC
06791	IB Language B - Non Semitic African Language	05051	Intro to Theater
06171	IB Language B - Portuguese	16151	Intro to Travel and Tourism
06191	IB Language B - Romance/Italic	12051	Introductory Business
06611	IB Language B - Russian	12107	Investing
06591	IB Language B - Southeast Asian Language	06699	Iranian/Persian Language - Other
06111	IB Language B - Spanish	06688	Iranian/Persian Language Conversation and Culture
06771	IB Language B - Swahili	06687	Iranian/Persian Language Field Exp
06671	IB Language B - Turkic/Ural-Altaic Language	06686	Iranian/Persian Language for Native Speakers
06511	IB Language B - Vietnamese	06681	Iranian/Persian Language I
01007	IB Language A (English)	06682	Iranian/Persian Language II
02132	IB Math	06683	Iranian/Persian Language III
02133	IB Math and Computing - SL IB Math Studies	06684	Iranian/Persian Language IV
02131		06685	Iranian/Persian Language V
05115	IB Music	06689	Iranian/Persian Lit Issues of Western Humanities
04262 04309	IB Org Studies	04303 10254	IT Essentials: PC Hardware and Software
03160	IB Philosophy IB Physical Science	06148	Italian Conversation and Culture
03157	IB Physics	06146	Italian Field Exp
03157	IB Psych	06147	Italian for Native Speakers
04257	IB Social Anthropology	06141	Italian I
04233	IB Theory of Knowledge	06141	Italian II
06859	Indic Language - Other	06142	Italian III
06848	Indic Language - Other Indic Language Conversation and Culture	06144	Italian IV
06847	Indic Language Conversation and Culture	06144	Italian Lit
06846	Indic Language Field Exp Indic Language for Native Speakers	06149	Italian V
06841	Indic Language for Native Speakers Indic Language I	00140	italian v
06842	Indic Language I		ı
06843	Indic Language III	06428	Japanese Conversation and Culture
06844	Indic Language III	06427	Japanese Field Exp
06845	Indic Language IV Indic Language V	06426	Japanese for Native Speakers
06840	Indic Language V	06420	Japanese I

06421 Japanese I

06849 Indic Lit

06422	Japanese II	07011	Liturgy and Prayer
06423	Japanese III	16102	Lodging - Comprehensive
06424	Japanese IV	16147	Lodging - IS
06429	Japanese Lit	16149	Lodging - Other
06425	Japanese V	16148	Lodging - Workplace Exp
10155	Java Programming		
05166	Jewelry		M
11101	Journalism	13203	Machining
11147	Journalism and Broadcasting - IS	06879	Malayo-Polynesian Language - Other
11149	Journalism and Broadcasting - Other	06868	Malayo-Polynesian Language Conversation and Culture
11148	Journalism and Broadcasting - Workplace Exp	06867	Malayo-Polynesian Language Field Exp
07014	Justice, Peace, and Faith	06866	Malayo-Polynesian Language for Native Speakers
0/014	Justice, i eace, and i aitii	06861	Malayo-Polynesian Language I
	К	06862	Malayo-Polynesian Language II
12005	Keyboarding	06863	Malayo-Polynesian Language III
06448	Korean Conversation and Culture	06864	Malayo-Polynesian Language IV
		06865	
06447	Korean Field Exp		Malayo-Polynesian Language V Malayo-Polynesian Lit
06446	Korean In Native Speakers	06869	
06441	Korean I Korean II	13995	Manufacturing - Aide
06442		13002	Manufacturing - Comp
06443	Korean III	13997	Manufacturing - IS
06444	Korean IV	13999	Manufacturing - Other
06449	Korean Lit	13998	Manufacturing - Workplace Exp
06445	Korean V	05103	Marching Band
		09201	Marine Corps Jr ROTC I
04000	L	09202	Marine Corps Jr ROTC II
01009	Language Arts Lab	09203	Marine Corps Jr ROTC III
18103	Large Animal Care	09204	Marine Corps Jr ROTC IV
06301	Latin I	20111	Marine Mechanics
06302	Latin II	03005	Marine Science
06303	Latin III	12152	Marketing - Comp
06304	Latin IV	12153	Marketing - Fashion
06305	Latin V	12158	Marketing - Floristry
15097	Law Enforcement - IS	12156	Marketing - Food/Beverage
15099	Law Enforcement - Other	12159	Marketing - Hospitality/Tourism
15098	Law Enforcement - Workplace Exp	12157	Marketing - Insurance
04162	Law Studies	12197	Marketing - IS
22101	Leadership	12160	Marketing - Merchandising
04165	Legal System	12199	Marketing - Other
22053	Library/AVC Aide	12167	Marketing - Other Specialization
03997	Life and Physical Science - IS	12154	Marketing - Real Estate
03995	Life and Physical Science - Lab Asst	12155	Marketing - Transportation
03999	Life and Physical Science - Other	12198	Marketing - Workplace Exp
03994	Life and Physical Science - Proficiency Dev	12151	Marketing Career Exploration
03998	Life and Physical Science - Workplace Exp	12166	Marketing Mgmt
22206	Life Skills	17008	Masonry
08016	Lifetime Fitness Ed	13052	Material and Processes
02111	Linear Algebra	02995	Math - Aide
02112	Linear Programming	02997	Math - IS
01053	Literature	02999	Math - Other
01097	Literature - IS	02994	Math - Proficiency Develop
01099	Literature - Other	02993	Math - Test Prep
01061	Literature of a Genre	02998	Math - Workplace Exp
01064	Literature of a People	02104	Math Analysis
01062	Literature of a Period	02108	Math Analysis/Analytic Geometry
01063	Literature of a Place	20147	Mechanics and Repair - IS
01065	Literature of a Theme	20149	Mechanics and Repair - Other
01060	Literature of an Author	20148	Mechanics and Repair - Workplace Exp
01098	Literature Workplace Exp	10247	Media Tech - IS

10249	Media Tech - Other	10102	Networking Systems
10248	Media Tech - Workplace Exp	10147	Networking Systems - IS
14102	Medical Lab Tech	10149	Networking Systems - Other
14153	Medical Office Procedures	10148	Networking Systems - Workplace Exp
14154	Medical Terminology	07007	New Testament
14151	Medical/Clerical Assisting	06788	Non Semitic African Language Conversation and Cultur
04059	Medieval European History	06787	Non Semitic African Language Field Exp
13053	Metal and Wood Processing/Production	06786	Non Semitic African Language for Native Speakers
13055	Metal Processing/Prod	06781	Non Semitic African Language I
13247	Metalwork - IS	06782	Non Semitic African Language II
13249	Metalwork - Other	06783	Non Semitic African Language III
13248	Metalwork - Workplace Exp	06784	Non Semitic African Language IV
13201	Metalwork Occupations	06785	Non Semitic African Language V
13202	Metalworking	06789	Non Semitic African Lit
03006	Meteorology	02101	Number Theory
12097	Mgmt - IS	14051	Nursing
12099	Mgmt - Other	14052	Nursing -LPN
12098	Mgmt - Workplace Exp	16054	Nutrition and Food Prep
10097	Mgmt Info Systems - IS		
10099	Mgmt Info Systems - Other		0
10098	Mgmt Info Systems - Workplace Exp	02152	Occupationally Applied Math
03060	Microbiology	08015	Off-Campus Sports
10110	Microsoft Certified Prof (MCP)	22051	Office Aide
09002	Military Jr ROTC - unspecified branch	12003	Office and Admin Tech
09004	Military Leadership	12002	Office Procedures - Comp
09995	Military Science - Aide	12004	Office Services
09997	Military Science - IS	07006	Old Testament
09999	Military Science - Other	20097	Operation - IS
09998	Military Science - Workplace Exp	20099	Operation - Other
07016	Ministry	20098	Operation - Workplace Exp
22995	Miscellaneous - Aide	14058	Optometrics
22997	Miscellaneous - IS	05104	Orchestra
22999 22998	Miscellaneous - Other	03103	Organic Chemistry
04055	Miscellaneous - Workplace Exp	03205 18053	Origins of Science Ornamental Horticulture
04055	Modern European History Modern Intellectual History	10000	Offiamental Horticulture
04308	Modern US History		P
04053	Modern World History	12008	Particular Topics in Admin
02122	Multivariate Calc	18405	Particular Topics in Ag Mechanics and Construction
05147	Music - IS	18309	Particular Topics in Ag Prod/Processing
05149	Music - Other	18204	Particular Topics in Agribusiness
05148	Music - Workplace Exp	02058	Particular Topics in Algebra
05118	Music Appreciation	02141	Particular Topics in Analytic Math
05117	Music History	18106	Particular Topics in Animal Systems
05116	Music History/Appreciation	04252	Particular Topics in Anthropology
05113	Music Theory	19207	Particular Topics in Apparel and Furnishings
	•	11056	Particular Topics in Audio/Visual Tech and Film
	N	20117	Particular Topics in Automotive Body Repair/Refinishing
18547	Natural Resources - IS	20105	Particular Topics in Automotive Mechanics
18549	Natural Resources - Other	03063	Particular Topics in Biology
18548	Natural Resources - Workplace Exp	02126	Particular Topics in Calc
18504	Natural Resources Mgmt	17005	Particular Topics in Carpentry
09101	Navy Jr ROTC I	03108	Particular Topics in Chemistry
09102	Navy Jr ROTC II	19055	Particular Topics in Child and Elder Care
09103	Navy Jr ROTC III	11003	Particular Topics in Communication
09104	Navy Jr ROTC IV	10008	Particular Topics in Computer Literacy
10105	NetWare Routing	10160	Particular Topics in Computer Programming
10108	Network Security	19107	Particular Topics in Cosmetology
10101	Network Tech	14105	Particular Topics in Diagnostic Services

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20108	Particular Topics in Diesel Mechanics	08014	Physical Ed Equivalent
04207	Particular Topics in Econ	03104	Physical Chemistry
19154	Particular Topics in Ed	08001	Physical Ed
17105	Particular Topics in Electricity	08201	Physical Education/Health/Drivers' Education
17109	Particular Topics in Electricity/Electronics	03007	Physical Geog
17107	Particular Topics in Electronics	03159	Physical Science
21015	Particular Topics in Engineering	14060	Physical therapy
15153	Particular Topics in Fire Mgmt	08995	Physical, Health, and Safety Education - Aide
02003	Particular Topics in Foundation Math	08997	Physical, Health, and Safety Education - IS
02005	•	08999	
	Particular Topics in Geometry		Physical, Health, and Safety Education - Other
14155	Particular Topics in Health Info	08998	Physical, Health, and Safety Education - Work Exp
14254	Particular Topics in Health Sciences	03151	Physics
04310	Particular Topics in Humanities	03152	Physics - Adv
17057	Particular Topics in HVACR	03197	Physics - IS
10256	Particular Topics in Info Support and Services	03199	Physics - Other
11105	Particular Topics in Journalism and Broadcasting	03198	Physics - Workplace Exp
04166	Particular Topics in Law	03055	Physiology
15053	Particular Topics in Law Enforcement	05107	Piano
16104	Particular Topics in Lodging	18303	Plant Processing
13204	Particular Topics in Machining	18051	Plant Production/Science
10204	Particular Topics in Media Tech	18097	Plant Systems - IS
13209	Particular Topics in Metalwork	18099	Plant Systems - Other
10055	Particular Topics in Mgmt and Info Systems	18098	Plant Systems - Workplace Exp
18505	Particular Topics in Natural Resources	13056	Plastics Processing/Prod
10111	Particular Topics in Networking Systems	05058	Playwriting
04307	Particular Topics in Philosophy	17058	Plumbing
03162	Particular Topics in Physics	17059	Plumbing and Heating
18056	Particular Topics in Plant Systems	04153	Political Science
11159	Particular Topics in Printing Tech and Prod	06168	Portuguese Conversation and Culture
02204	Particular Topics in Probability and Stats	06167	Portuguese Field Exp
13058	Particular Topics in Processing and Prod	06166	Portuguese for Native Speakers
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04255	Particular Topics in Psych	06161	Portuguese I
16203	Particular Topics in Recreation, Amusement and Attract	06162	Portuguese II
16057	Particular Topics in Restaurant, Food and Beverage	06163	Portuguese III
15103	Particular Topics in Security	06164	Portuguese IV
13206	Particular Topics in Sheet Metal	06169	Portuguese Lit
04259	Particular Topics in Soc	06165	Portuguese V
14204	Particular Topics in Support Services	20102	Power and Mechanics
21056	Particular Topics in Tech Applications	07012	Prayer and Spirituality
14063	Particular Topics in Therapeutic Services	02051	Pre-Algebra
16155	Particular Topics in Travel and Tourism	02110	Pre-Calc
04152	Particular Topics in US Government	21001	Pre-Engineering Tech
04109	Particular Topics in US History	12165	Principles of Advertising
13208	Particular Topics in Welding	02074	Principles of Algebra and Geometry
	•		
04065	Particular Topics in World History	04160	Principles of Democracy
22209	Personal Development	21004	Principles of Engineering
14253	Pharmacology	12164	Principles of Marketing
14152	Pharmacy Assisting	12202	Principles of Selling
04306	Philosophy	03153	Principles of Tech
14104	Phlebotomy	11158	Print Press Operations
11054	Photo Imaging	11197	Printing Tech - IS
11157	Photoengraving	11199	Printing Tech - Other
11053	Photographic Lab and Darkroom	11198	Printing Tech - Workplace Exp
05167	Photography	05161	Printmaking
11156	Photography and Printing Tech	05160	Printmaking/Graphics
11102	Photojournalism	02201	Probability and Stats
08047	Physical Ed - IS	02201	Probability and Stats Probability and Stats - IS
	· ·		
08049	Physical Ed - Other	02209	Probability and Stats - Other
08048	Physical Ed - Workplace Exp	13097	Processing/Prod - IS

13099	Processing/Prod - Other	06608	Russian Conversation and Culture
13098	Processing/Prod - Workplace Exp	06607	Russian Field Exp
13101	Prod Systems	06606	Russian for Native Speakers
13103	Product Development	06601	Russian I
13147	Production Systems - IS	06602	Russian II
13149	Production Systems - Other	06603	Russian III
13148	Production Systems - Workplace Exp	06604	Russian IV
04254	Psych	06609	Russian Lit
15201	Public Admin	06605	Russian V
15203	Public Policy	00000	radolali v
15101	Public Safety		S
01151		00055	
	Public Speaking	08055	Safety and First Aid
15995	Public, Protective, and Gov't Service - Aide	12247	Sales - IS
15997	Public, Protective, and Gov't Service - IS	12249	Sales - Other
15999	Public, Protective, and Gov't Service - Other	12248	Sales - Workplace Exp
15998	Public, Protective, and Gov't Service - Workplace Exp	22103	School Government
11104	Publication Prod	22102	School Orientation
		03204	Science Technology/Engineering
	R	03210	Science, Tech and Society
12007	Recordkeeping	03212	Scientific Research/Design
08004	Recreation Sports	07005	Scriptures
16202	Recreation, Amusement and Attract - Comp	15147	Security and Protection - IS
16247	Recreation, Amusement and Attract - IS	15149	Security and Protection - Other
16249	Recreation, Amusement and Attract - Other	15148	Security and Protection - Workplace Exp
16248	Recreation, Amusement and Attract - Workplace Exp	15102	Security Services
17052	Refrigeration	22207	Self Mgmt
07995	Religious Ed and Theology - Aide	08012	Self-defense
07997	÷.	22106	Seminar
	Religious Ed and Theology - IS		
07999	Religious Ed and Theology - Other	06759	Semitic and Near/Middle Eastern Lang - Other
07998	Religious Ed and Theology - Workplace Exp	13205	Sheet Metal
07013	Religious Ethics and Morality	18102	Small Animal Care
07010	Religious Figures	20110	Small Engine Mechanics
07001	Religious Foundations	20109	Small Vehicle Mechanics
13347	Repair - IS	04258	Soc
13349	Repair - Other	22253	Social Development Instruction
13348	Repair - Workplace Exp	04260	Social Science
01105	Research/Tech Writing	04995	Social Science and History - Aide
17103	Residential Wiring	04997	Social Science and History - IS
14061	Respiratory Therapy	04999	Social Science and History - Other
16055	Restaurant Mgmt and Operations	04994	Social Science and History - Prof Dev
16052	Restaurant, Food and Beverage Service - Comp	04998	Social Science and History - Workplace Exp
16097	Restaurant, Food and Beverage Service - IS	04261	Social Science Research
16099	Restaurant, Food and Beverage Service - Other	04297	Social Sciences - IS
16098	Restaurant, Food and Beverage Service - Workplace Exp	04299	Social Sciences - Other
12161	Retail Marketing	04298	Social Sciences - Workplace Experience
12106	Risk Mgmt and Insurance	04305	Social Studies
	-		
21009	Robotics	18055	Soil Science
06188	Romance/Italic Conversation and Culture	06599	Southeast Asian Language - Other
06187	Romance/Italic Field Exp	06588	Southeast Asian Language Conversation and Culture
06186	Romance/Italic for Native Speakers	06587	Southeast Asian Language Field Exp
06181	Romance/Italic Lang I	06586	Southeast Asian Language for Native Speakers
06182	Romance/Italic Lang II	06581	Southeast Asian Language I
06183	Romance/Italic Lang III	06582	Southeast Asian Language II
06184	Romance/Italic Lang IV	06583	Southeast Asian Language III
06199	Romance/Italic Lang Other	06584	Southeast Asian Language IV
06185	Romance/Italic Lang V	06585	Southeast Asian Language V
06189	Romance/Italic Lit	06589	Southeast Asian Lit
09003	ROTC Drill	06108	Spanish Conversation and Culture
10104	Router Basics	06107	Spanish Field Exp
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06106	Spanish for Native Speakers	16198	Travel and Tourism - Workplace Exp
06101	Spanish I	02103	Trig
06102	Spanish II	02106	Trig/Algebra
06103	Spanish III	02107	Trig/Analytic Geometry
06104	Spanish IV	02105	Trig/Math Analysis
06109	Spanish Lit	20051	Truck and Bus Driving
06105	Spanish V	18054	Turf and Landscape Mgmt
08054	Special Needs Health Ed	06679	Turkic/Ural-Altaic Lang - Other
08013	•	06668	Turkic/Ural-Altaic Lang Conversation and Culture
	Specific Sports Activities		<u> </u>
01197	Speech - IS	06667	Turkic/Ural-Altaic Lang Field Exp
01199	Speech - Other	06666	Turkic/Ural-Altaic Lang for Native Speakers
01198	Speech - Workplace Exp	06661	Turkic/Ural-Altaic Lang I
12163	Sports and Entertainment Marketing	06662	Turkic/Ural-Altaic Lang II
08017	Sports Physiology	06663	Turkic/Ural-Altaic Lang III
22001	Standardized Test Preparation	06664	Turkic/Ural-Altaic Lang IV
22002	State Test Preparation	06665	Turkic/Ural-Altaic Lang V
04105	State-Specific Studies	06669	Turkic/Ural-Altaic Lit
01066	Strategic Reading	22005	Tutorial
22006	Study Hall	22054	Tutoring Practicum
22003	Study Skills		
08058	Substance Abuse Prevention		U
14056	Surgical Technology	03202	Unified Science
06768	Swahili Conversation and Culture	17012	Upholstering
06767	Swahili Field Exp	04156	US and World Affairs
06766	Swahili for Native Speakers	04107	US Ethnic Studies
06761	Swahili I	04108	US Gender Studies
06762	Swahili II	04151	US Government - Comp
06763		04101	US History - Comp
	Swahili III		
06764	Swahili IV	04147	US History - IS
06769	Swahili Lit	04149	US History - Other
06765	Swahili V	04148	US History - Workplace Exp
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10151	T	00405	V
19151	Teaching Profession	22105	Values Clarification
08002	Team Sports	18105	Vet Science
21054	Tech Innovation and Assessment	11055	Video
02153	Technical Math	06508	Vietnamese Conversation and Culture
03211	Technical Science	06507	Vietnamese Field Exp
21051	Technological Literacy	06506	Vietnamese for Native Speakers
21052	Technological Processes	06501	Vietnamese I
21097	Technology - IS	06502	Vietnamese II
21099	Technology - Other	06503	Vietnamese III
21098	Technology - Workplace Exp	06504	Vietnamese IV
10006	Telecommunications	06509	Vietnamese Lit
08011	Tennis	06505	Vietnamese V
05164	Textiles	14057	Vision Care
05052	Theatre Arts	05197	Visual Arts - IS
14097	Therapeutic Services - IS	05199	Visual Arts - Other
14099	Therapeutic Services - Other	05198	Visual Arts - Workplace Exp
14098	Therapeutic Services - Workplace Exp	10153	Visual Basic (VB) Programming
04002	Topics in Geography	05111	Vocal Ensembles
02055	Transition Algebra	03111	VOCAL ETISCHIBICS
20995	Transportation, Dist and Logistics - Aide		W
	•	17044	
20997	Transportation, Dist and Logistics - IS	17011	Warehouse Operations
20999	Transportation, Dist and Logistics - Other	20152	Was Page Design
20998	Transportation, Dist and Logistics - Workplace Exp	10201	Web Page Design
16152	Travel and Tourism - Comp	08009	Weight Training
16197	Travel and Tourism - IS	13207	Welding
16199	Travel and Tourism - Other	04063	West Civilization

07004 Western Religions 10106 Wide Area Telecomm and Networking 18501 Wildlife Mgmt 10107 Wireless Networks 13054 Wood Processing/Prod 17006 Woodworking 12006 Word Processing 04061 World Area Studies 04001 World Geography 04097 World History - IS 04099 World History - Other 04051 World History - Overview 04098 World History - Workplace Exp 04052 World History and Geog

World People Studies 16153 World Travel and Tourism

World Literature

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03061 Zoology

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